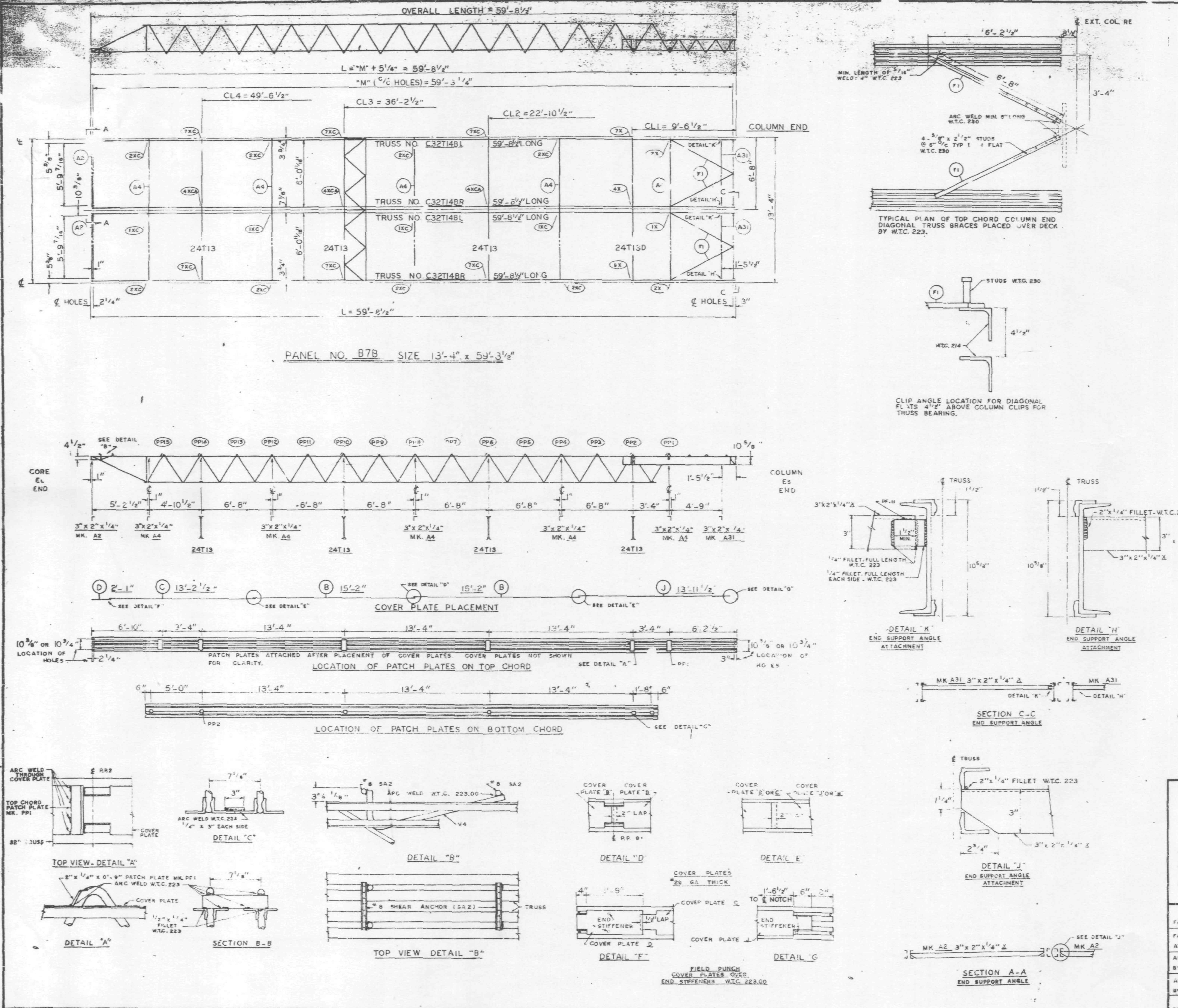
0800-0899

WTC1-131-LERA



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	2	C32T14BL x 59'-8 1/2"	ST 214BL
	T14BR	2	C32T14BR x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3" x 2" x 1/4" ANGLE	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4"x13'-3"	ST 403
	A31	2	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x1 1/2"x.25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x3/8"x0'-6 1/2"	ST 400
	P2	4	4 1/2"x.39"x0'-9"	ST 400
	P3	4	4 1/2"x.39"x1'-0"	ST 400
	P9	4	3"x1/2"x1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF DRWG.

7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	6-15-68

Void

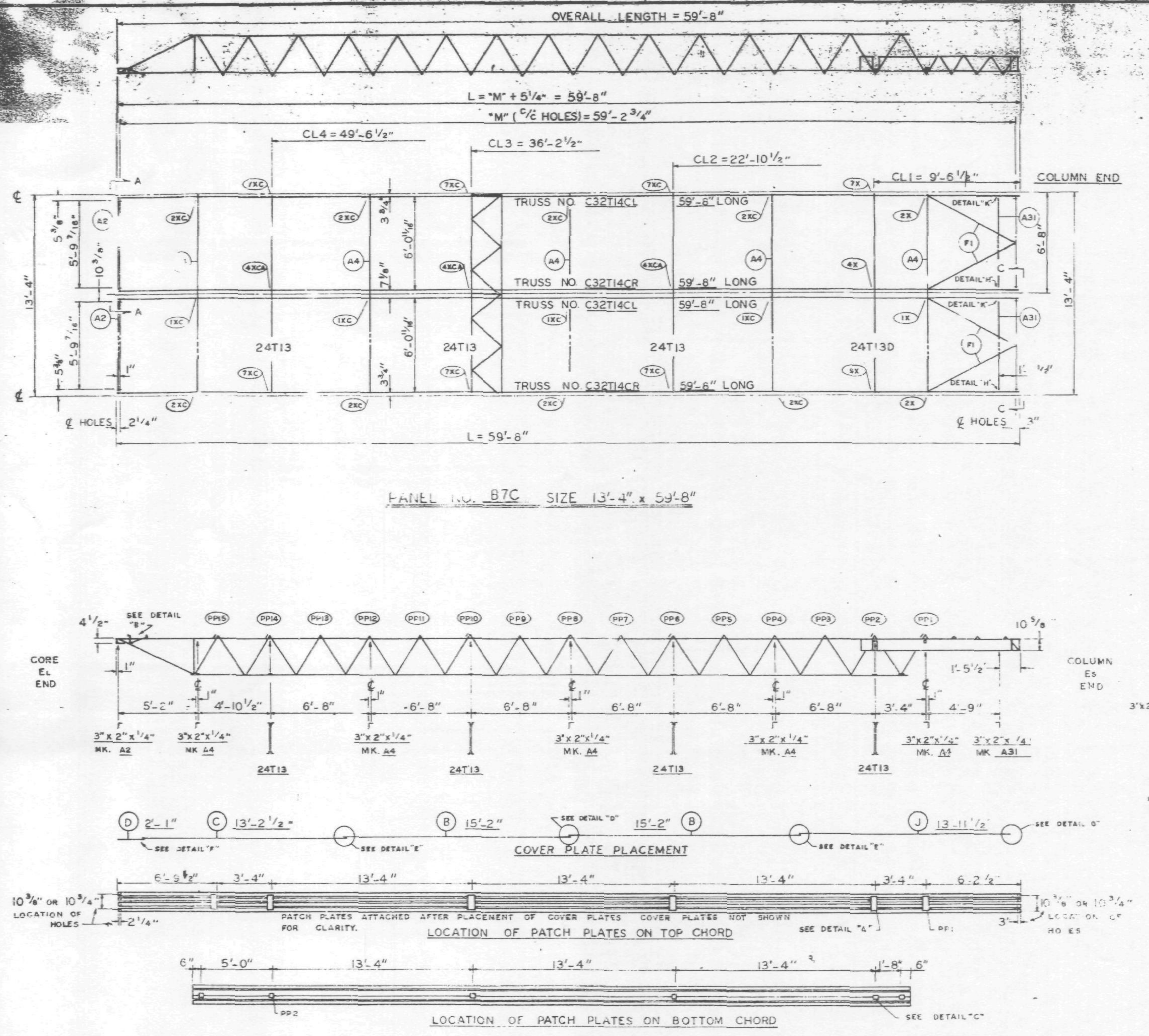
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

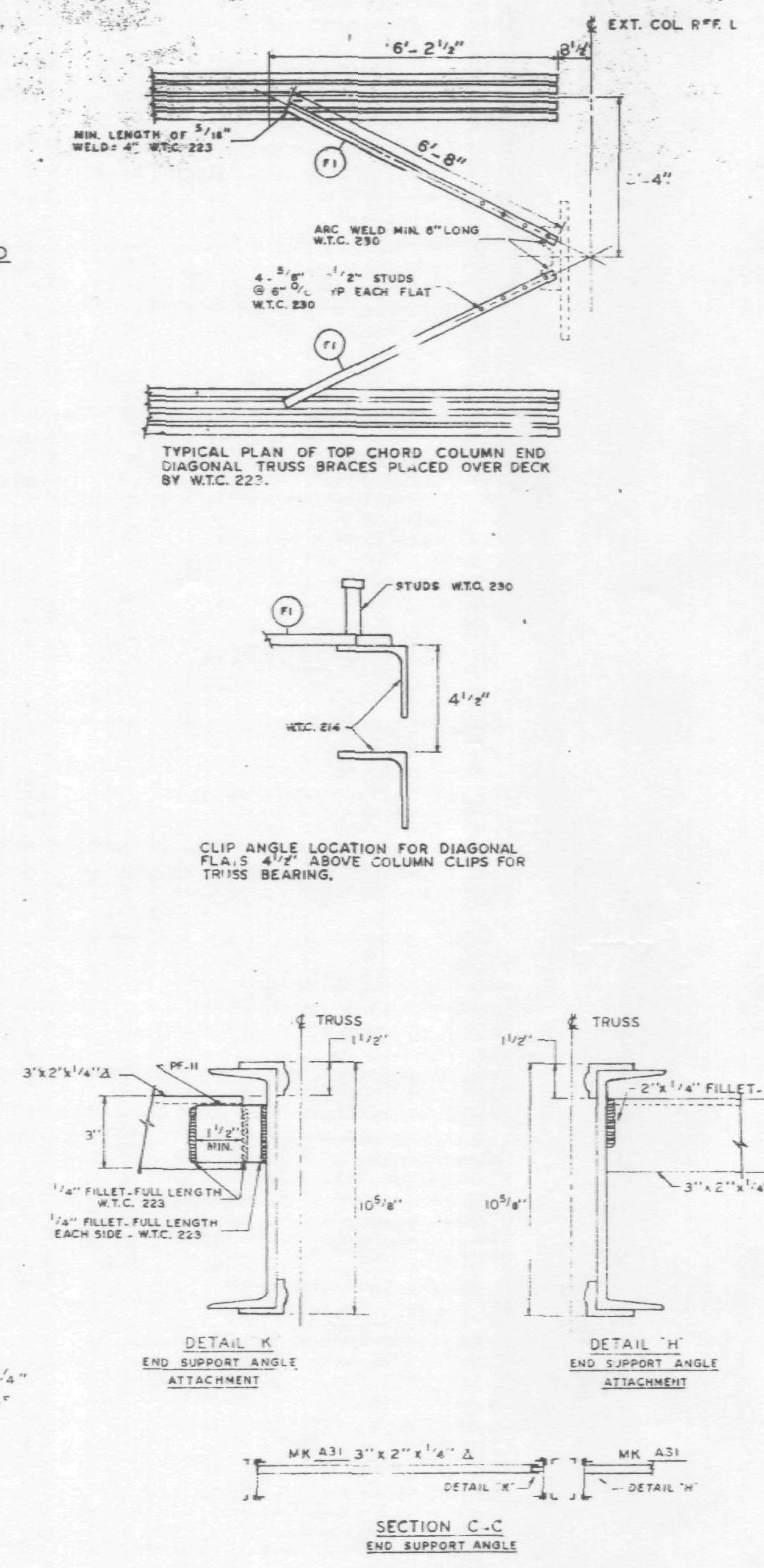
BLDG. B FLOORS 92 (WEST)

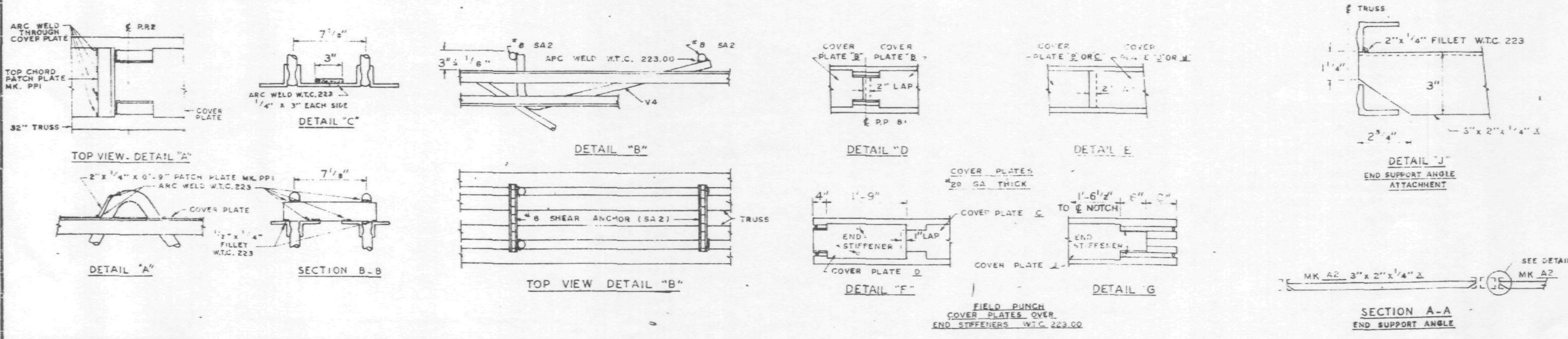
PANEL B7B - 13'-4" x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-26	PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY LWR DATE MAY 8, 1969	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.N. CHURA DATE MAY 8, 1969	IN CHARGE OF PROD. DEV.
DETAILER LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP B7B

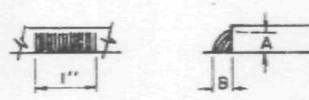






REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CL	2	C32T14CL x 59'-8"	ST 214CL
	T14CR	2	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 213D
3"x 2"x 1/4" ANGLE	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A4	5	3"x 2"x 1/4"x 13'-3"	ST 403
	A31	2	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400
	P9	4	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SB-124	3-24-69
7-AB3-24	8-15-68

VOID

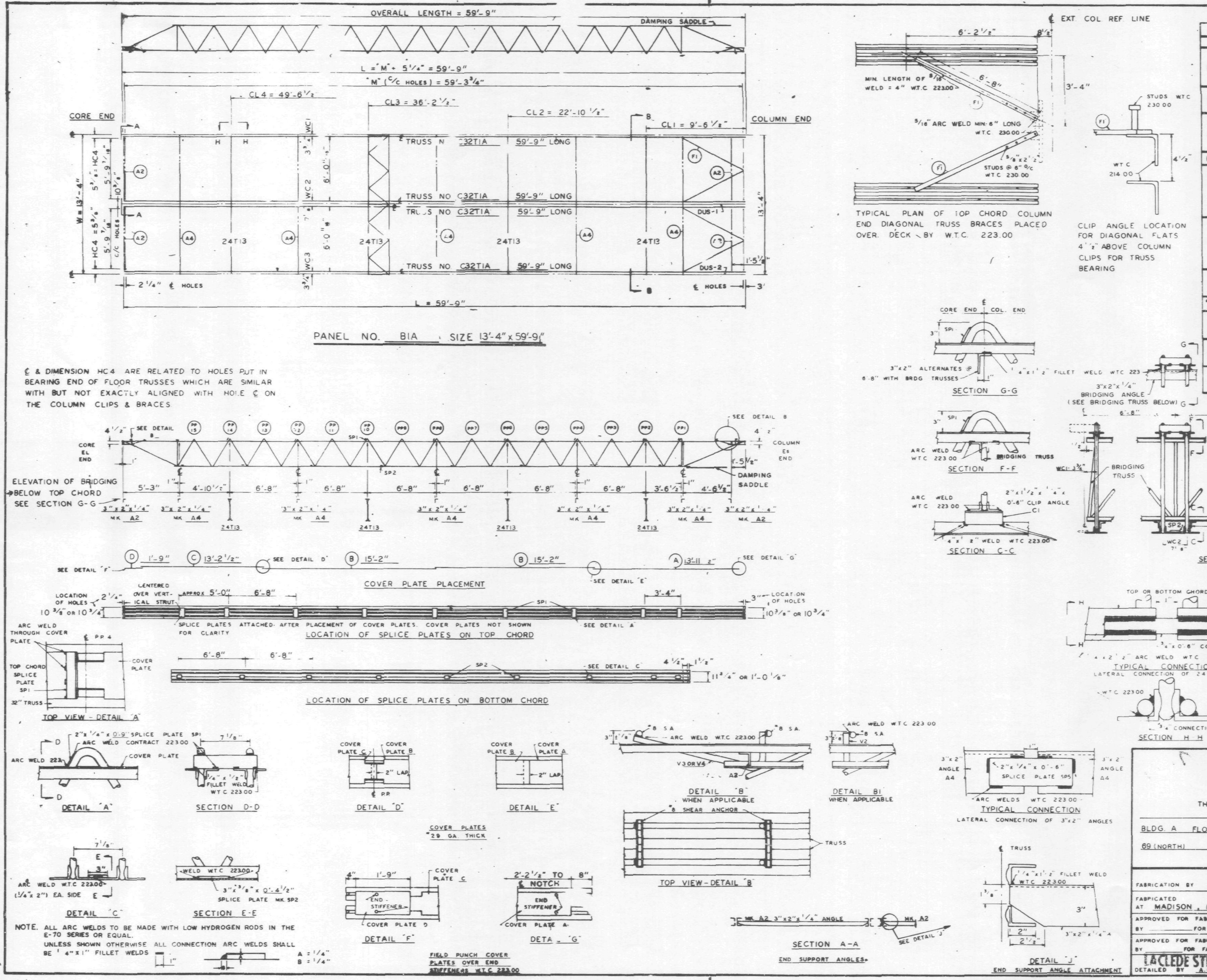
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 59 & 92 (EAST)

PANEL B7C - 13'-4" x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-26	PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A.	DATE	DRAWN BY [signature] DATE MAY 8, 1969	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE MAY 8, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [stamp]		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP B7C



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	[illegible]	D[illegible]
FLOOR TRUSSES	T1A	4	C32T1A - [illegible]'-9"	ST201A
BRIDGING TRUSSES	T13	4	T13 - [illegible]'-8"	[illegible]211
3"x2"x1/4" ANGLE	A2	4	3"x2"x[illegible] 5'-11 5/16"	ST400
	A4	5	3"x2"x 1/4 x 13'-[illegible]"	ST400
DIAGONAL FLATS	F1		1 1/2"x 5/8"x 6'-8"	ST400
SPLICE PLATES	SP1	[illegible]	2"x 1/4" x 0'-9"	CD201
	SP2	18	3"x 3/8"x 0'-4 1/2"	CD201
	SP5	5	2"x 1/4"x 0'-6"	CD201
COVER PLATES	A	2	9"x.0135"x 13'-11 1/2"	ST303
	B	4	9"x.0135"x 15'-2"	ST303
	C	2	9"x.0135"x 13'-2 1/2"	ST303
	D	2	9"x.0135"x 1'-9"	ST303
ANGLE CLIPS	C1	16	3"x2"x1/4"x 0'-6"	CD201
#8 SHEAR ANCHOR	SA	8	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x 3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x 3'-7 3/8"	ST2[illegible]8
CONNECTION BAR	CB	16	3/4" ø x 0'-9"	CD201

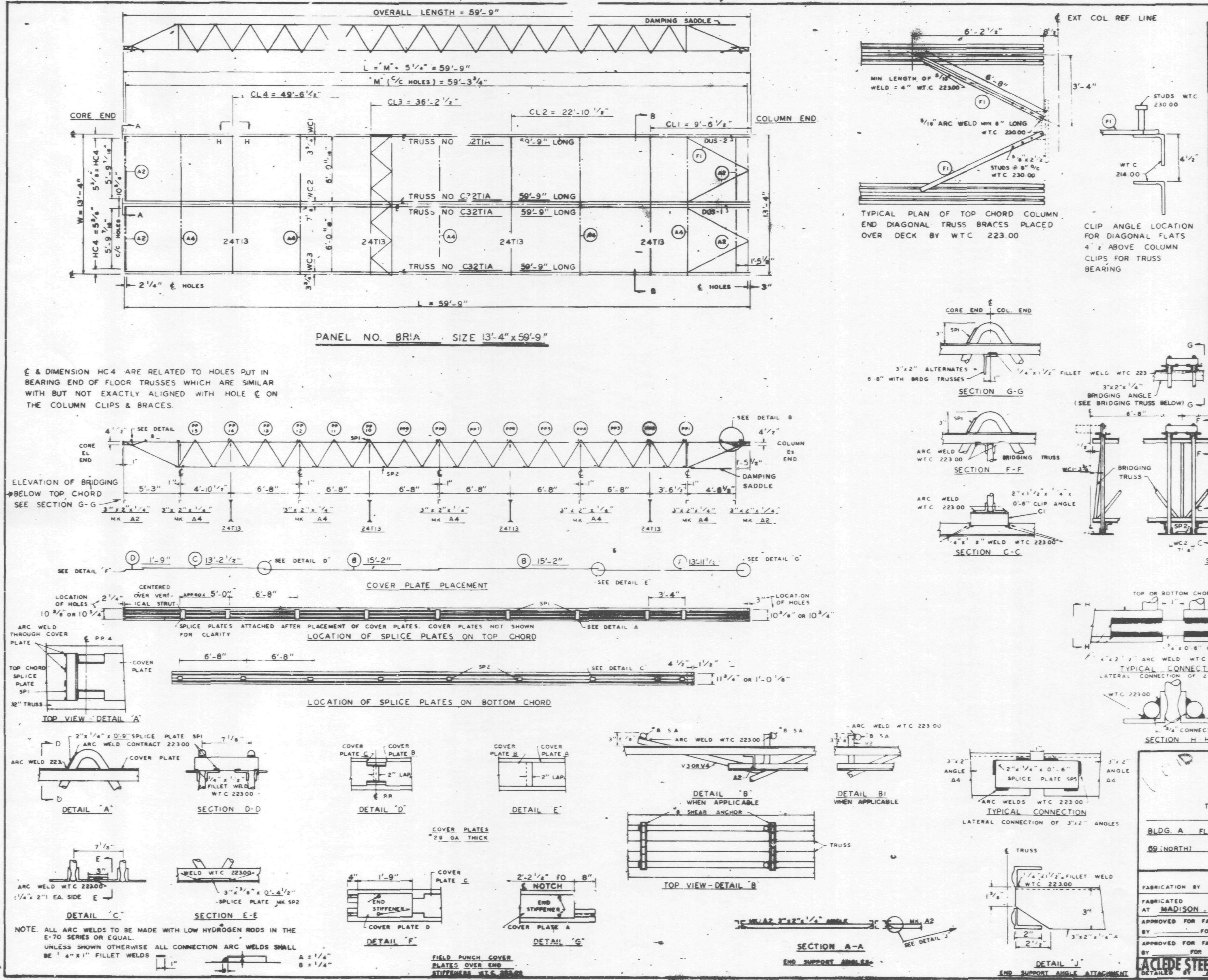
REF DRWG

7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-42	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-8 & 8.1	2-15-68

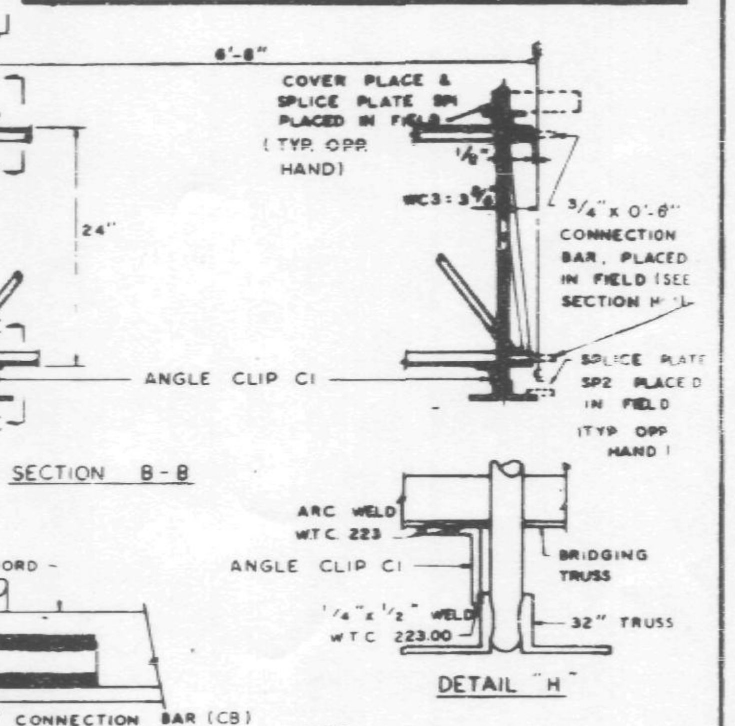
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH); 49-58, 60-66, 68
69 (NORTH) PANEL B1A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-5 2-15-68 PLATE
APPROVED FOR FABRICATION BY ________ FOR P.O.N.Y.A. DATE ______
DRAWN BY [illegible] DATE FEB 24, 1968
APPROVED FOR FABRICATION BY ________ FOR FABRICATOR DATE ______
CHECKED BY J.B. PAUL DATE FEB 24, 1968
IN CHARGE OF [illegible]
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO FP B1A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG
FLOOR TRUSSES	T1A	4	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T13	4	3 - 13'-3"	ST 11
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4" ... -11 5/16"	... 400
	A4	5	3"x2"x1/4" x 13'-3"	ST400
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 8'-8"	ST400
SPLICE PLATES	SP		2"x 1/4" x 0'-9"	CD201
	SP2	18	3"x 3/8"x 0'-4 1/2"	CD201
	SP5	5	2"x 1/4" x 0'-6"	CD201
COVER PLATES	A	2	9"x.0135"x 13'-11 1/2"	ST303
	B	4	9"x.0135"x 15'-2"	ST303
	C	2	9"x.0135"x 13'-2 1/2"	ST303
	D	2	9"x.0135"x 1'-9"	ST303
ANGLE CLIPS	C1	16	3"x2"x1/4"x 0'-6"	CD201
#8 SHEAR ANCHOR	SA	8	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x 3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x 3'-7 3/8"	ST298
CONNECTION BAR	CB	16	3/4"ϕ x 0'-9"	CD201



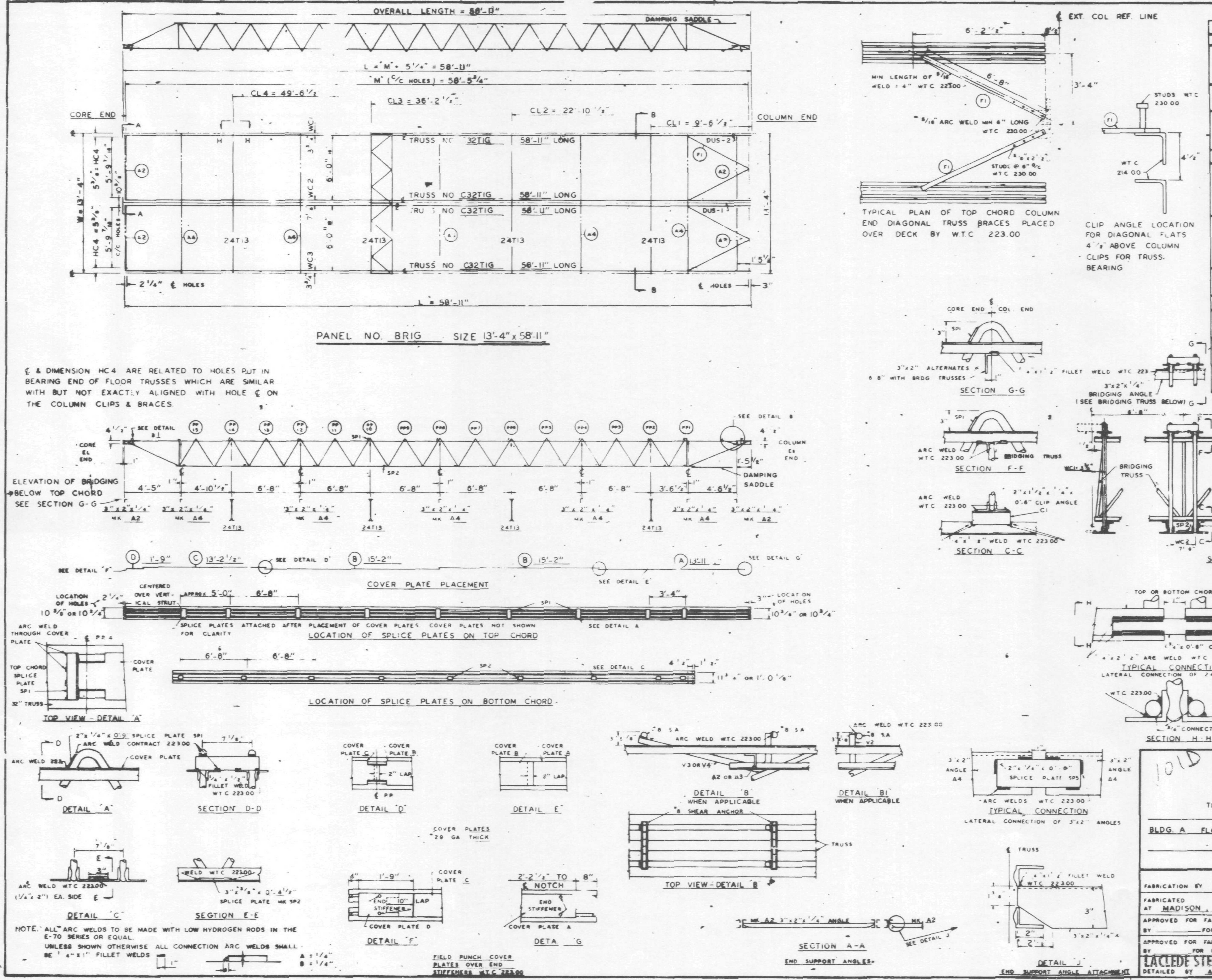
REF DRWG	
7-AB4-3&31	1-3-68
7-AB4-15&16	1-3-68
7-AB4-39-42	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-B&B.1	2-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH); 49-58, 60-66, 68
69 (NORTH) PANEL B1A - 13'-4" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-6 2-15-68 PLATE	
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY ______ DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. Weber		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP BR1A



NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FILLET WELDS

REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL				
FLOOR TRUSSES		4	C32TIG - 58'-11"	ST201G
BRIDGING TRUSSES	T13	4	T13 - 13'-8"	ST211
3"x2"x1/4" ANGLE	A2	4	3"x2"x1/4" x 5'-11 5/16"	ST400
	A4	5	3"x2"x1/4 x 13'-0"	ST400
DIAGONAL FLATS	F1		1 1/2"x 5/8"x 6'-8"	ST400
SPLICE PLATES	SP1		2"x 1/4" x 0'-9"	CD201
	SP2	18	3" x 3/8" x 0'-4 1/2"	CD201
	SP5	5	2"x 1/4" x 0'-8"	CD201
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 1'-9"	ST303
ANGLE CLIPS	C1	16	3"x2"x1/4" x 0'-6"	CD201
#8 SHEAR ANCHOR	SA	6	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST298
CONNECTION BAR	CB	16	3/4" ø x 0'-9"	CD201

REF DRWG	
7-AB4-3 & 3.1	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-42	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-8 & 8.1	2-15-68

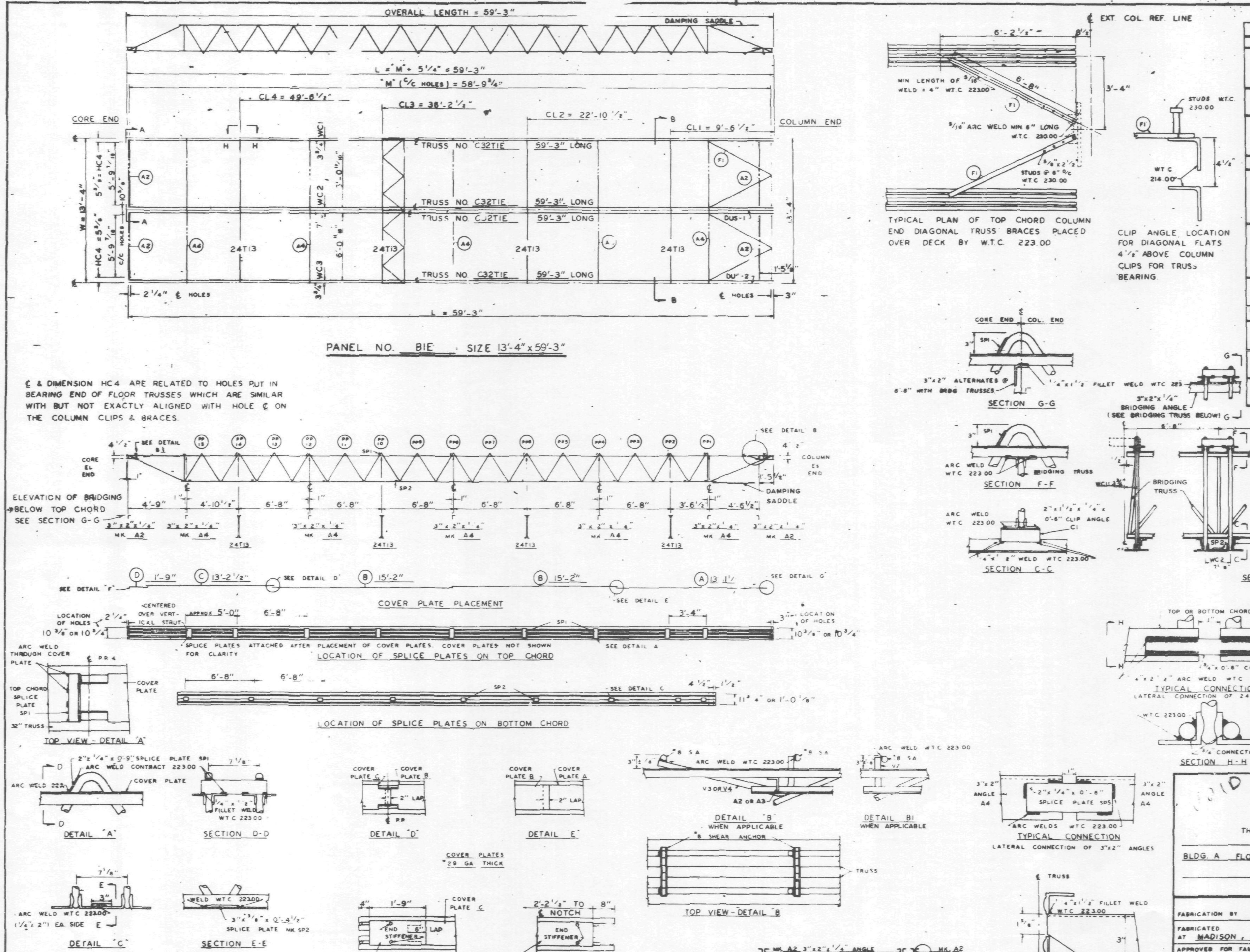
101D

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

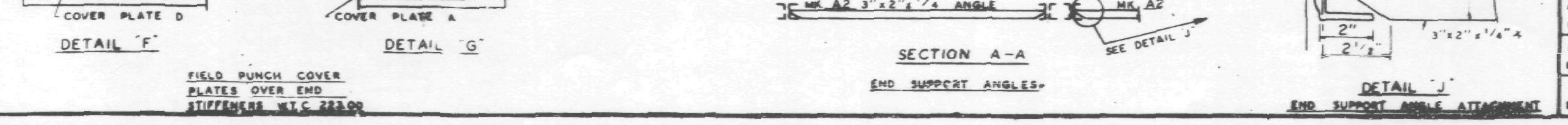
BLDG. A FLOORS 10, 11 & 39 (NORTH) 39 & 40 (SOUTH)
PANEL BRIG - 13'-4" x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY

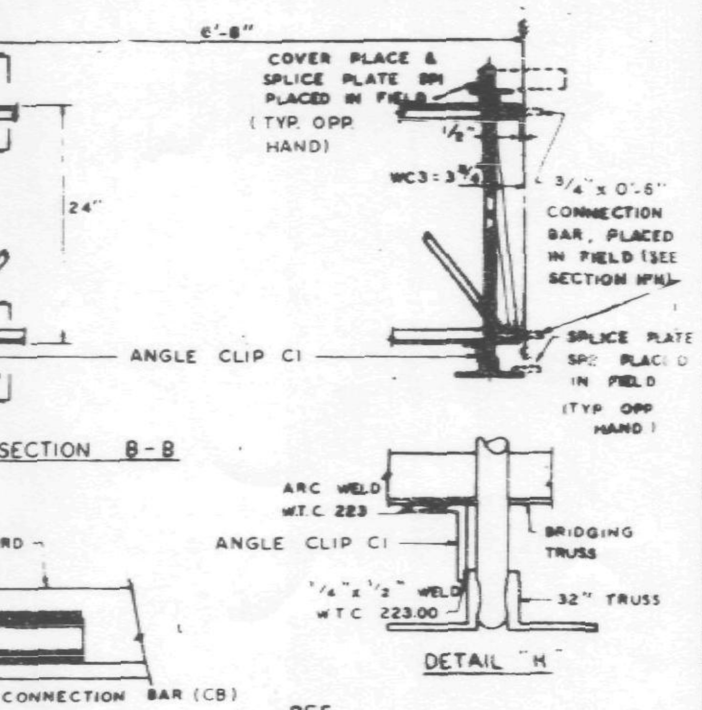
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-5 2-[illegible]	PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY J R PAUL DATE FEB 24, 1968	IN CHARGE OF PROD. DEV
LACLEDE STEEL CO. DETAILED BY A C WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP BRIG



NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FILLET WELDS



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	[illegible]	PCS.	[illegible]	
FLOOR TRUSSES	TIE	4	C32TIE - 59'-3"	ST201E
BRIDGING TRUSSES	T13	4	[illegible] 3 - 13'-8"	ST311
3"x2"x1/4" ANGL		4	3"x2"x1/4" x [illegible] 11 5/16"	ST400
	A4	5	3"x2"x[illegible] x 13'-3	ST400
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 8'-8	ST400
SPLICE PLATES	SP1		2" x 1/4" x 0'-9"	CD201
	SP2	18	3" x 3/8" x 0'-4 1/2"	CD201
	SP5	5	2" x 1/4" x 0'-6"	CD201
COVER PLATES	A	2	9" x .0135" x 13'-11 1/2"	ST303
	B	4	9" x .0135" x 15'-2"	ST303
	C	2	9" x .0135" x 13'-2 1/2"	ST303
	D	2	9" x .0135" x 1'-9"	ST303
ANGLE CLIPS	C1	16	3"x2"x1/4" x 0'-6"	CD201
#8 SHEAR ANCHOR	SA	6	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-7 3/8"	ST298
CONNECTION BAR	CB	16	3/4" ⌀ x 0'-9"	CD201



REF DRWG

7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-42	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-8 & 8.1	2-15-68

VOID

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (NORTH & SOUTH)

PANEL BIE - 13'-4" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING 7-AB3-5 2-15-[illegible] PLATE

APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE

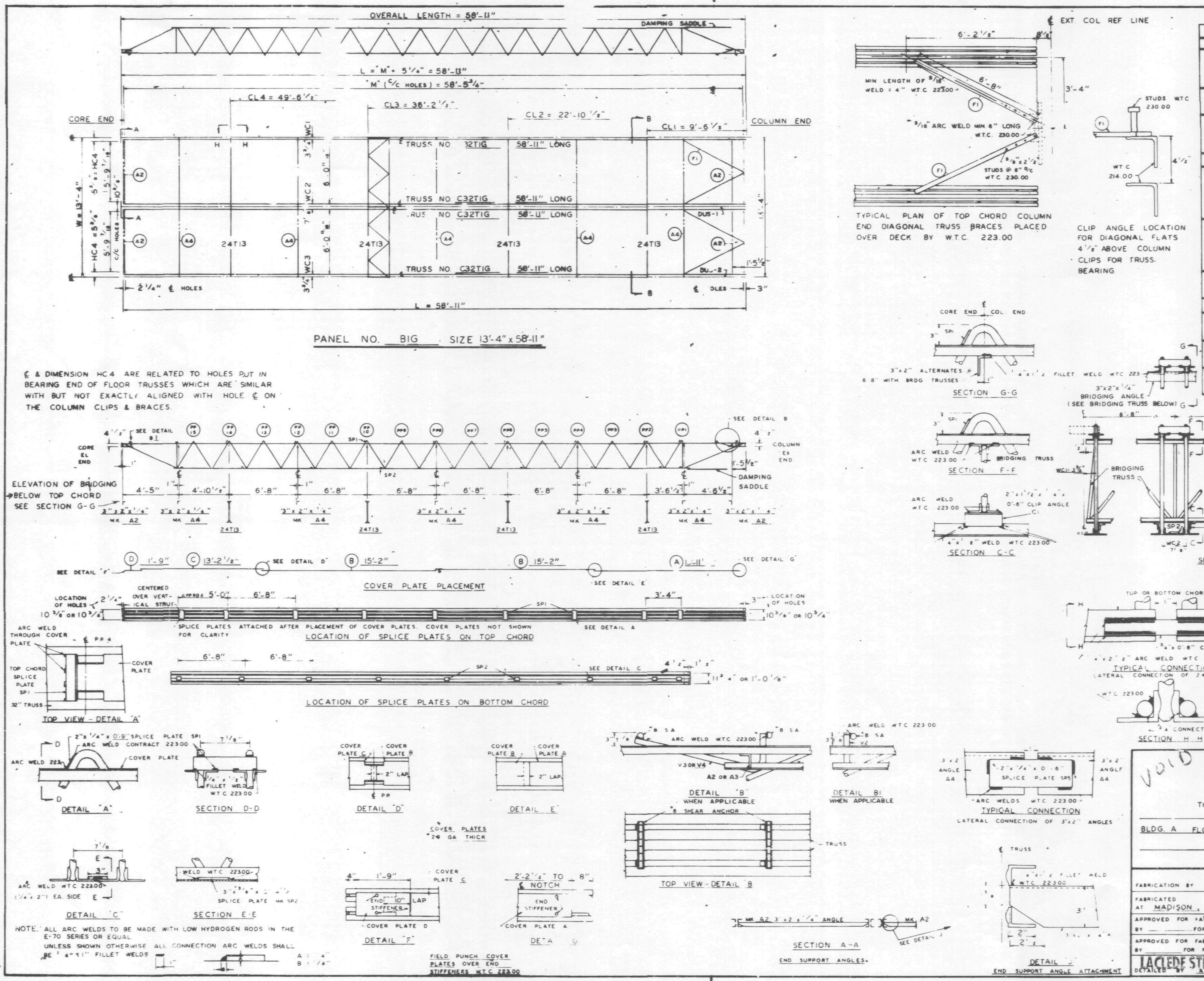
DRAWN BY [illegible] DATE FEB 24, 1968

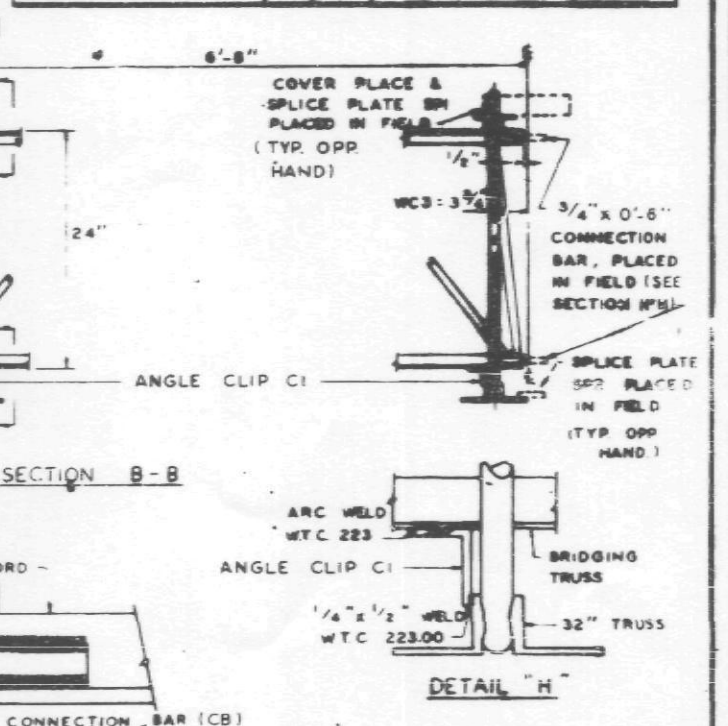
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

CHECKED BY [illegible] DATE FEB 24, 1968 IN CHARGE OF [illegible]

LACLEDE STEEL CO. DETAILED BY A.C. [illegible]

FABRICATION CONT. NO. W.T.C. 221 SHEET NO [illegible] E





℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4"x1" FILLET WELDS

REQUIRED MATERIAL PER PANEL

MATERIAL	MK	PCS	SIZE	REF DWG
FLOOR TRUSSES	TIG	4	C32TIG - 58'-11"	ST201G
BRIDGING TRUSSES	T13	4	2' 3 - 13'-8"	ST211
3"x2"x1/4" ANGL		4	3"x2"x1/4"x5'-11 1/16"	ST400
	A4	5	3"x2"x x 13'-3"	ST400
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST400
SPLICE PLATES	SP1		2"x 1/4"x 0'-9"	CD201
	SP2	18	3"x 3/8"x 0'-4 1/2"	CD201
	SP5	5	2"x 1/4"x 0'-6"	CD201
COVER PLATES	A	2	9"x.0135"x 13'-11 1/2"	ST303
	B	4	9"x.0135"x 15'-2"	ST303
	C	2	9"x.0135"x 13'-2 1/2"	ST303
	D	2	9"x.0135"x 1'-9"	ST303
ANGLE CLIPS	C1	16	3"x2"x1/4"x 0'-6"	CD201
#8 SHEAR ANCHOR	SA	6	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x 3/8"x 3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x 3'-7 3/8"	ST298
CONNECTION BAR	CB	16	3/4" ø x 0'-9"	CD201

REF DRWG

7-AB4-3 & 3.1	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-42	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-8 & 8.1	2-15-68

VOID

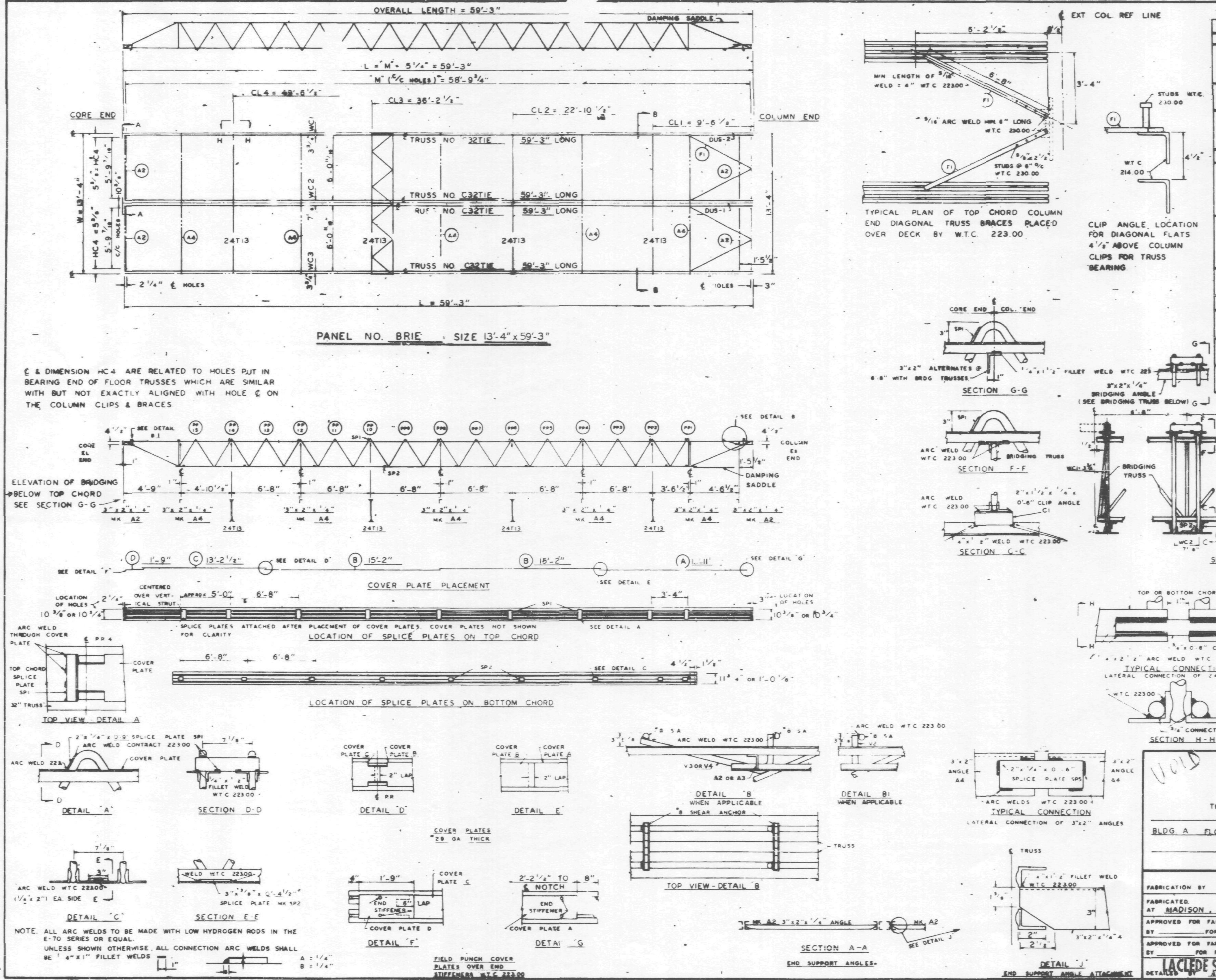
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39 & 40 (NORTH & SOUTH)

PANEL B1G - 13'-4" x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-5 2-15-68 PLATE	
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY ______ DATE FEB 24, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY J R PAUL DATE FEB 24, 1968	IN CHARGE OF PROD DEV
LACLEDE STEEL CO. DETAILED BY A C WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP B1G



REQUIRED MATERIAL FOR [illegible]				REF. DRWG.
MATERIAL	MK.	PCS.	[illegible]	
FLOOR TRUSSES	TIE	4	C32TIE - 59'-3"	ST201E
BRIDGING TRUSSES	T13	4	T13 - 13'-3"	ST211
3"x2"x1/4" ANGLE	[illegible]	4	3"x2"x1/4" x [illegible]11 9/16"	ST400
	A4	5	3"x2"x1/4" x 13'-[illegible]	ST400
DIAGONAL FLATS	F1		1 1/2"x3/8"x6'-[illegible]	ST400
SPLICE PLATES	SP1		2"x1/4"x0'-9"	CD201
	SP2	18	3"x3/8"x0'-4 1/2"	CD201
	SP5	5	2"x1/4"x0'-6"	CD201
COVER PLATES	A	2	9"x.0135"x13'-11 1/2"	ST303
	B	4	9"x.0135"x15'-2"	ST303
	C	2	9"x.0135"x13'-2 1/2"	ST303
	D	2	9"x.0135"x1'-9"	ST303
ANGLE CLIPS	C1	16	3"x2"x1/4"x0'-6"	CD201
#6 SHEAR ANCHOR	SA	6	#6 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	1	3 1/2"x3 1/2"x5/8"x3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x5/8"x3'-7 3/8"	ST298
CONNECTION BAR	CB	16	3/4"φ x 0'-9"	CD201

REF DRWG

7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-42	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-8 & 8.1	2-15-68

VOID

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-11 (SOUTH)

PANEL BRIE - 13'-4" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-5 2-15-[illegible] PLATE

APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE ______

DRAWN BY [illegible] DATE FEB 24, 19[illegible]

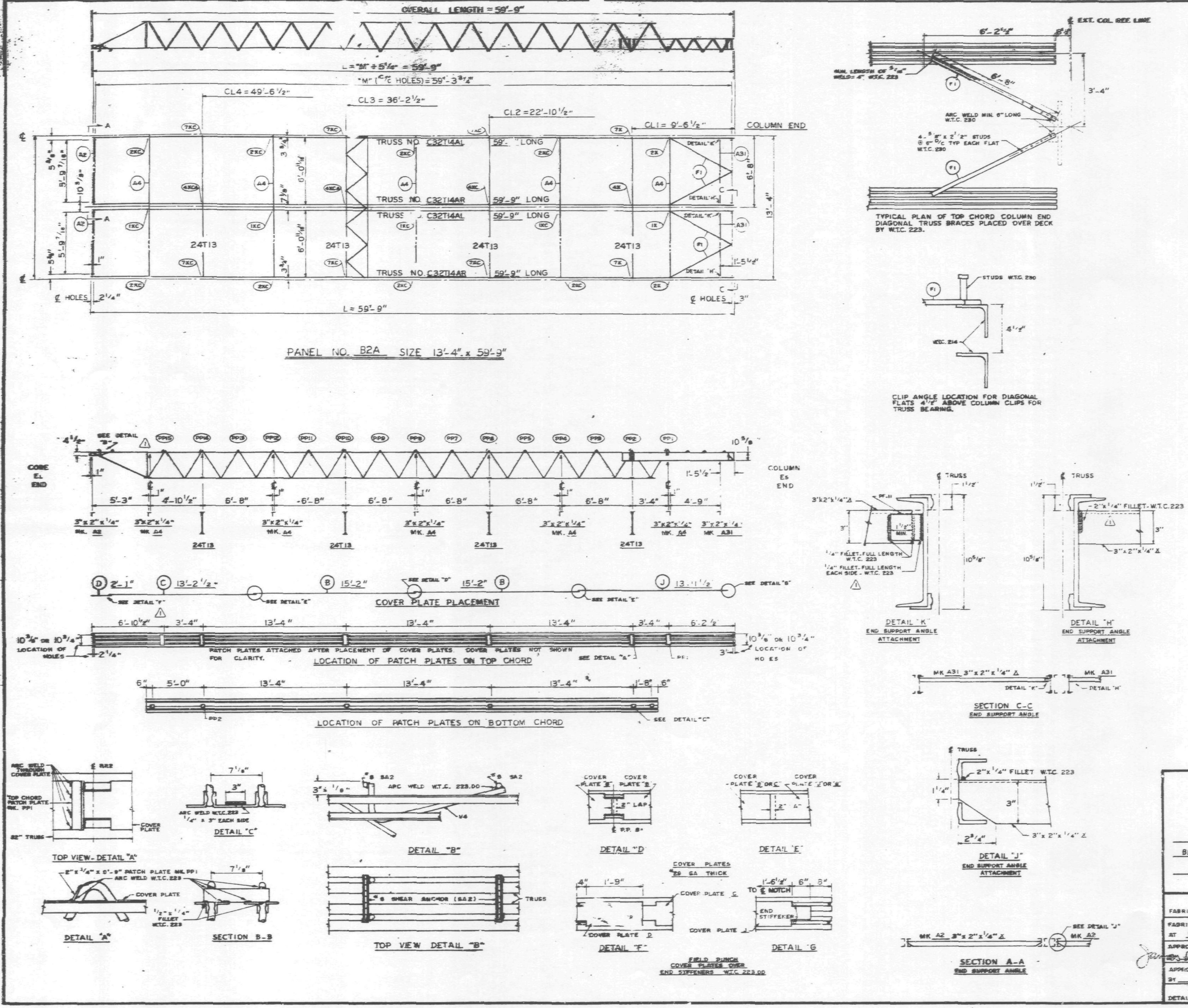
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE ______

CHECKED BY J.R. PAUL DATE FEB 24, 19[illegible] IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO. DETAILED BY A.C. [illegible]

FABRICATION CONT. NO W.T.C. 221

SHEET NO FP-BRIE



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 58'-9"	ST 214AL
	T14AR	2	C32T14AR x 58'-9"	ST 214AR
BRIDGING TRUSSES	T13	4	24T13 x -3"	ST 213
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4"x 5'-11 9/16"	ST 403
	A4	5	3"x2"x1/4" -3"	ST 403
	A31	2	3"x2"x1/4" -8 1/8"	ST 410
CLOSURE PLATES	PF-11	2	3" x 1/4" x 0'-2 3/16"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 3/16" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 13'-2 1/2"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .38" x 0'-9"	ST 400
	P3	4	4 1/2" x .38" x 1'-0"	ST 400
	P9	4	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	S.D.C.

REF. DRWG.

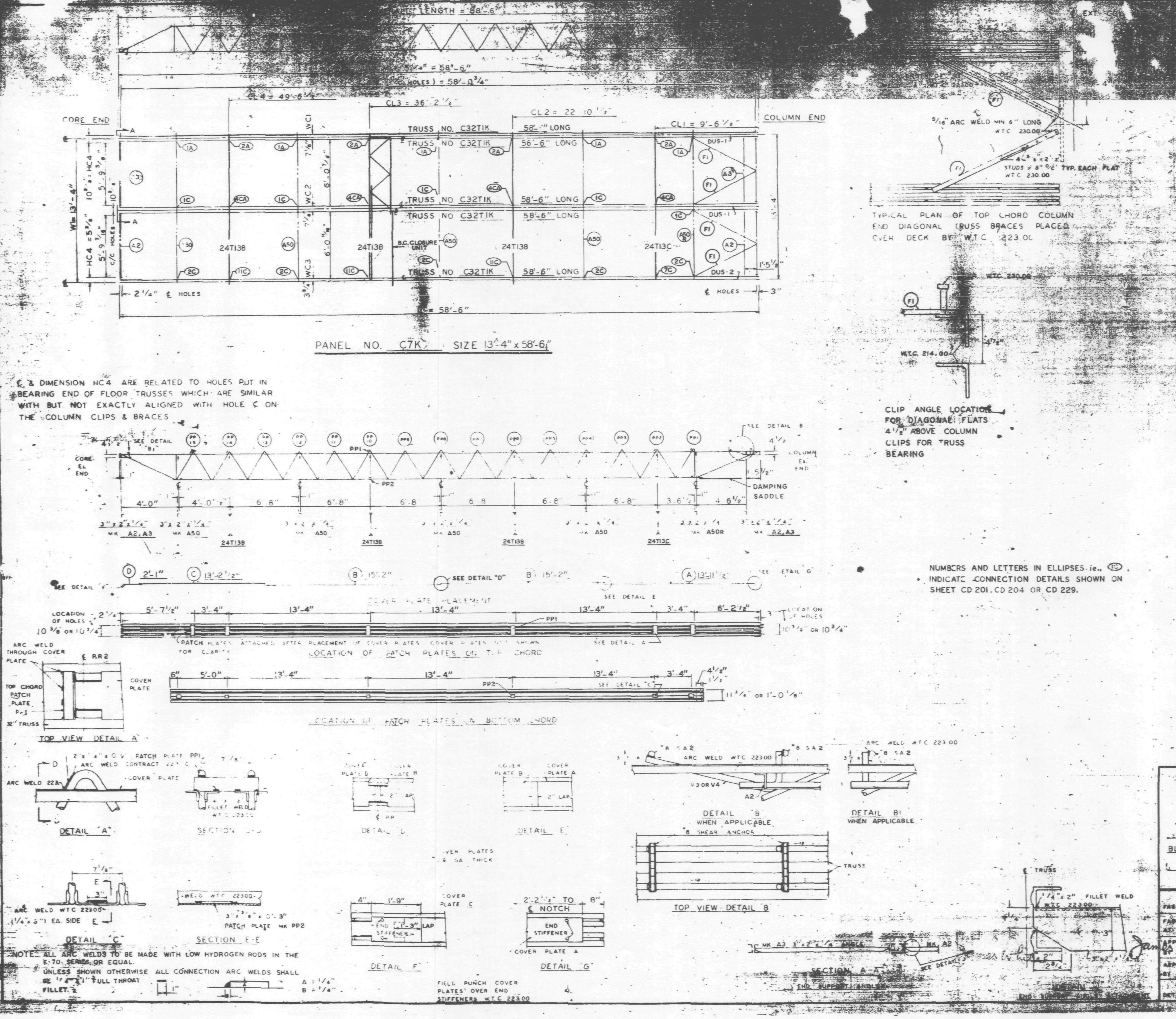
7-AB3-26	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL B2A - 13'-4" x 59'-9" (1)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-28 PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. DATE 2/4/69
DRAWN BY L.L. DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M. CHUNG DATE DEC. 5, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP B2A



[illegible]	[illegible]	3	14'-1 1/2"	[illegible]
	T13C	1	[illegible] - 14'-1 1/2"	[illegible]
3"x2"x1/4" ANGLE	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 [illegible]	ST 403
	A50	[illegible]	3"x2"x1/4"x14'-1 [illegible]	ST 413
	A50R	1		
DIAGONAL FLATS	F1	4	1 1/2"x3/8"x8'-[illegible]	ST 402
PATCH PLATES	PP1	18	2"x1/4"x0'-9"	ST 400
	PP2	18	3"x3/8"x0'-3"	ST 400
COVER PLATES	A	3	[illegible]"x[illegible]"x13'-11 1/2"	ST 303
	B	6	[illegible]"x.0135"x13'-2"	ST 303
	C	3	9"x.0135"x13'-2 1/2"	ST 303
	D	3	9"x.0135"x2'-1"	ST 303
ANGLE CLIPS	[illegible]	13	2"x1 1/2"x1/4"x0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	[illegible] BAR x 0'-[illegible]	ST 400
DAMPING SADDLE	DUS1	2	[illegible]"x3/8"x[illegible]-0 7/8"	ST[illegible]
	DUS2	1	[illegible]x2"x3/8"x[illegible]-6 7/8"	ST[illegible]
CONNECTION BAR	CB1	[illegible]	[illegible]x1'-3"	ST 400
CONNECTION PLATES	P1	5	[illegible]x3/8"x8'-[illegible]	ST 400
	P2	4	4 1/2"x.30"x0'-9"	ST 400
	P3	1	4 1/2"x.30"x1'-0"	ST 400
	P14	4	3"x1/2"x0'-11"	ST 416
CLOSURE UNIT	BC	3	1 1/4" ⌀ 8'-8 1/2" TUBE	BT 2136

NO.	DATE	REVISION	BY

REF. DRWG

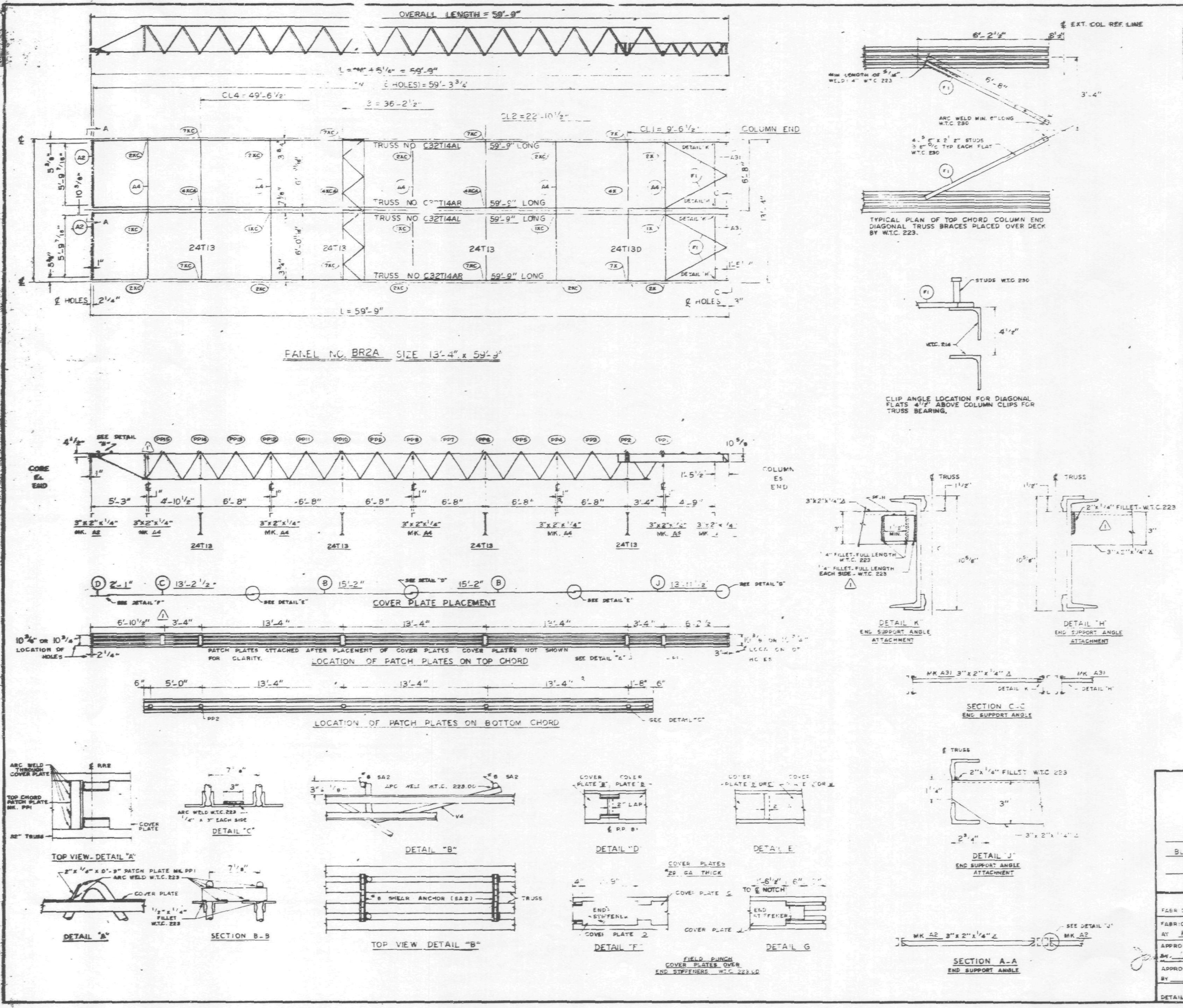
7-AB4-15.1	10-4-68
7-AB4-15 & 15	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB3-79	10-15-68
7-AB1-24	1-6-69
7-AB2-8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 45 (WEST)

PANEL C7K - 13'-4" x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-79
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 7/8/69
DRAWN BY [illegible] DATE JULY 1, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.M.CHURA DATE JULY 1, 1969
LACLEDE STEEL CO.
DETAILED BY [illegible]
FP-C7K



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214
BRIDGING TRUSSES	T13	3	24T13 x 13'-?	BT 213
	T13D	1	24T13D 13'-3"	BT 213D
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4"x 5'-11 9/16"	ST 403
		5	3"x2"x1/4"x 3'-?	ST 403
	A31	2	3"x2"x1/4"x ...	ST 410
CLOSURE PLATES	PF-11	2	3"x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	4	2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2"x 1/4" x 0'-9"	ST 400
	PP2	12	3"x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9"x .0135" x 15'-2"	ST 303
	C	2	9"x .0135" x 13'-2 1/2"	ST 303
	D	2	9"x .0135" x 2'-1"	ST 303
	J	2	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	15	2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	4	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	4	4 1/2"x .39"x 1'-0"	ST 400
	P8	4	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB3-27	10-4-68
7-AB1-13	10-4-68
7-AB2-8	7-22-68
7-AB4-28	7-22-68
SA-124	10-11-68
7-AB3-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL BR2A-13'-4" x 59'-9" (1)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-27 PLATE

APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE [illegible]

DRAWN BY [signature] DATE DEC. 5, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR DATE

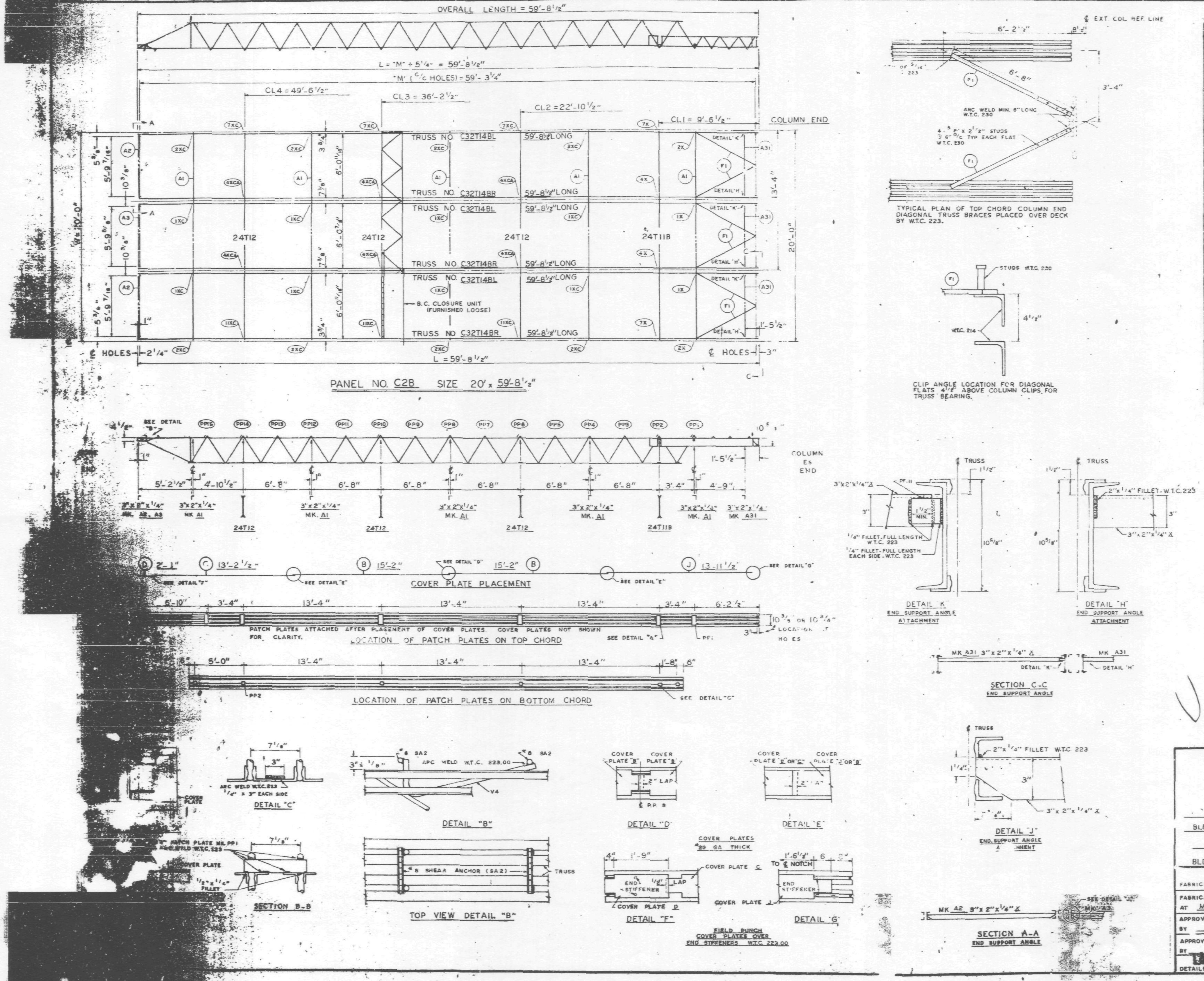
CHECKED BY T.N. CHUBA DATE DEC. 5, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY [illegible]

FABRICATION CONT NO W.T.C. 221

SHEET NO FP-BR2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14BL	3	C32T14BL x 59'-8 1/2"	ST 214BL
	T14BR	3	C32T14BR x 59'-8 1/2"	ST 214BL
BRIDGING TRUSSES	T11B	1	24T118 x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" ☐ 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

VOID

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)

PANEL C2B - 20' x 59'-8 1/2"

BLDG. B FLOORS 92 (WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-28 PLATE

APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE

DRAWN BY [illegible] DATE APRIL 28, 1969

APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

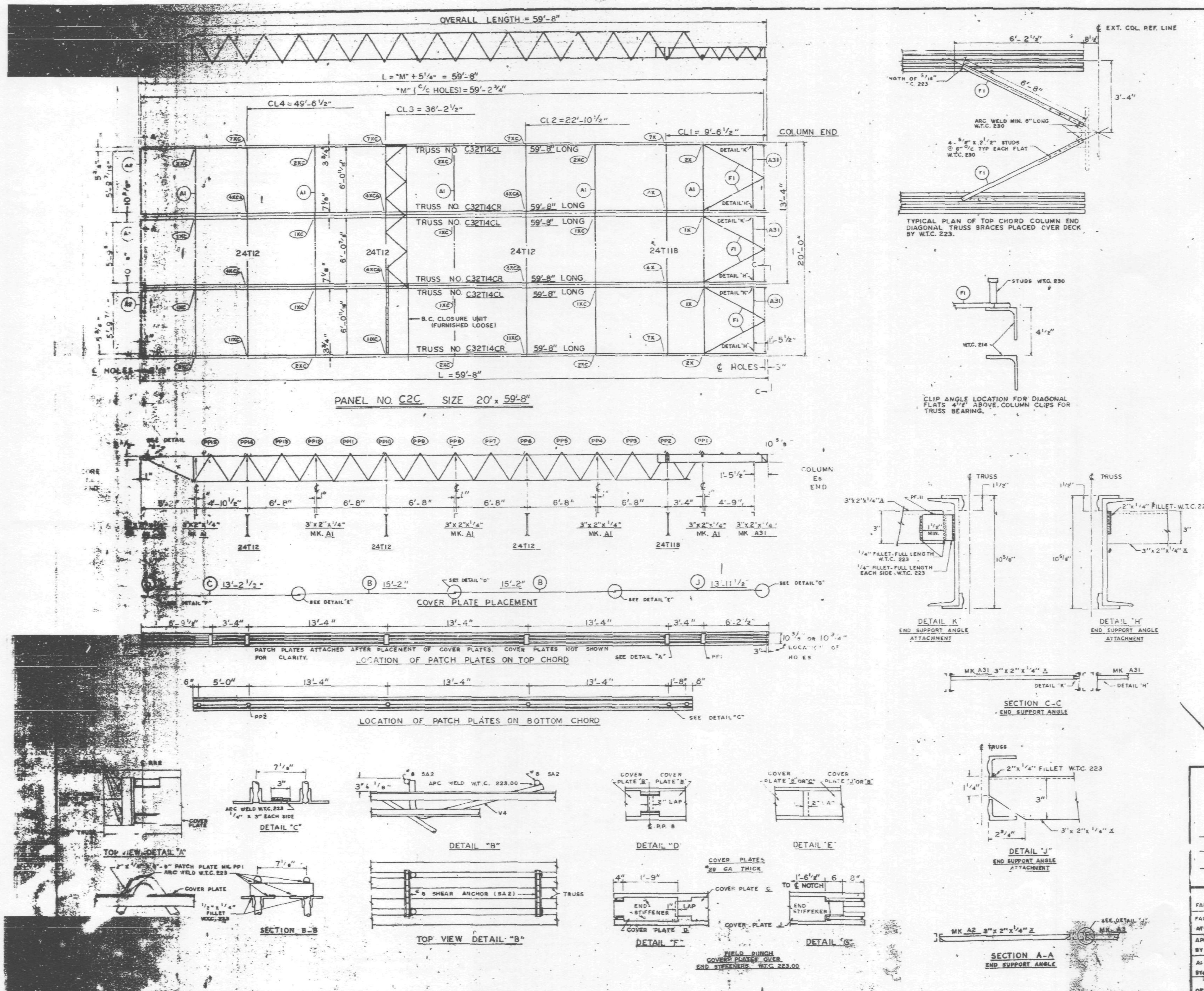
CHECKED BY T.M. CHURA DATE APRIL 28, 1969

IN CHARGE OF PROD. DEV.

DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP C2B



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" D 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	5" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
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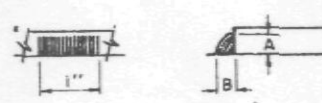
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

VOID

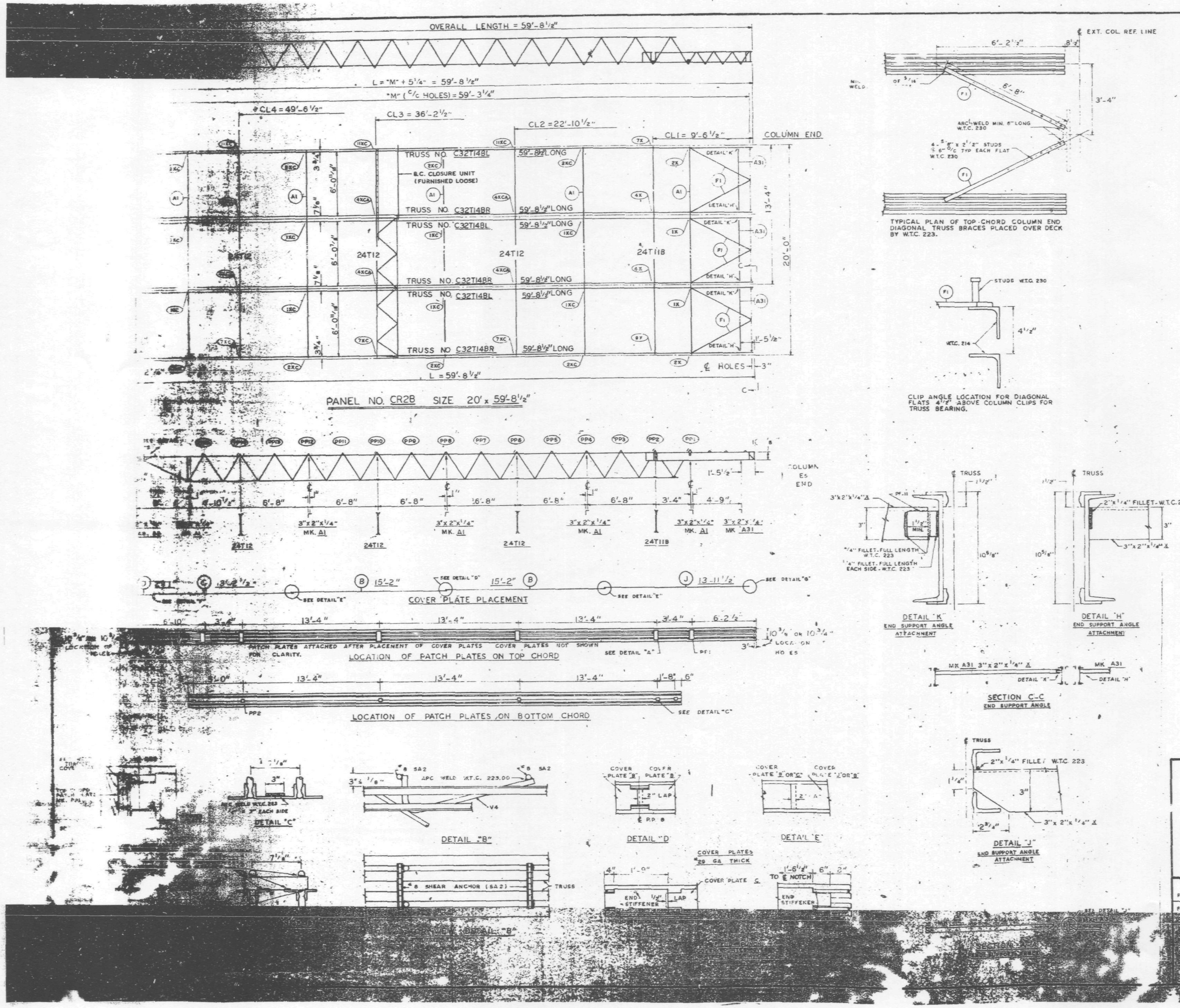
REF DRWG.		
	7-AB3-28	10-4-68
	7-AB4-28	7-22-68
	7-AB1-13	10-4-68
	7-AB2-7	7-22-68
	7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)
PANEL C2C - 20' x 59'-8"
BLDG. B FLOORS 59 & 92 (EAST)

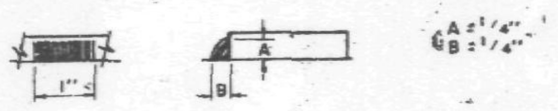
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-28	PLATE
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE APRIL 28, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY T.N. CHURA DATE APRIL 28, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY A.C. [illegible]		FABRICATION CONT NO W.T.C. 221	SHEET FP C2C



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T148L	3	C32T148L x 59'-8 1/2"	ST 2148L
	T148R	3	C32T148R x 59'-8 1/2"	ST 2148L
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 212
3"x 2"x 1/4" ANGLE	A1	5	3"x 2"x 1/4"x 19'-11"	ST 403
	A2	2	3"x 2"x 1/4"x 5'-11 9/16"	ST 403
	A3	1	3"x 2"x 1/4"x 5'-11 3/4"	ST 403
	A31	3	3"x 2"x 1/4"x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/8"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2"x1 1/2"x .25"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION. DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-29	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

VOID

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 92 (NORTH)

PANEL CR2B - 20' x 59'-8 1/2"

BLDG. B FLOORS 92 (WEST)

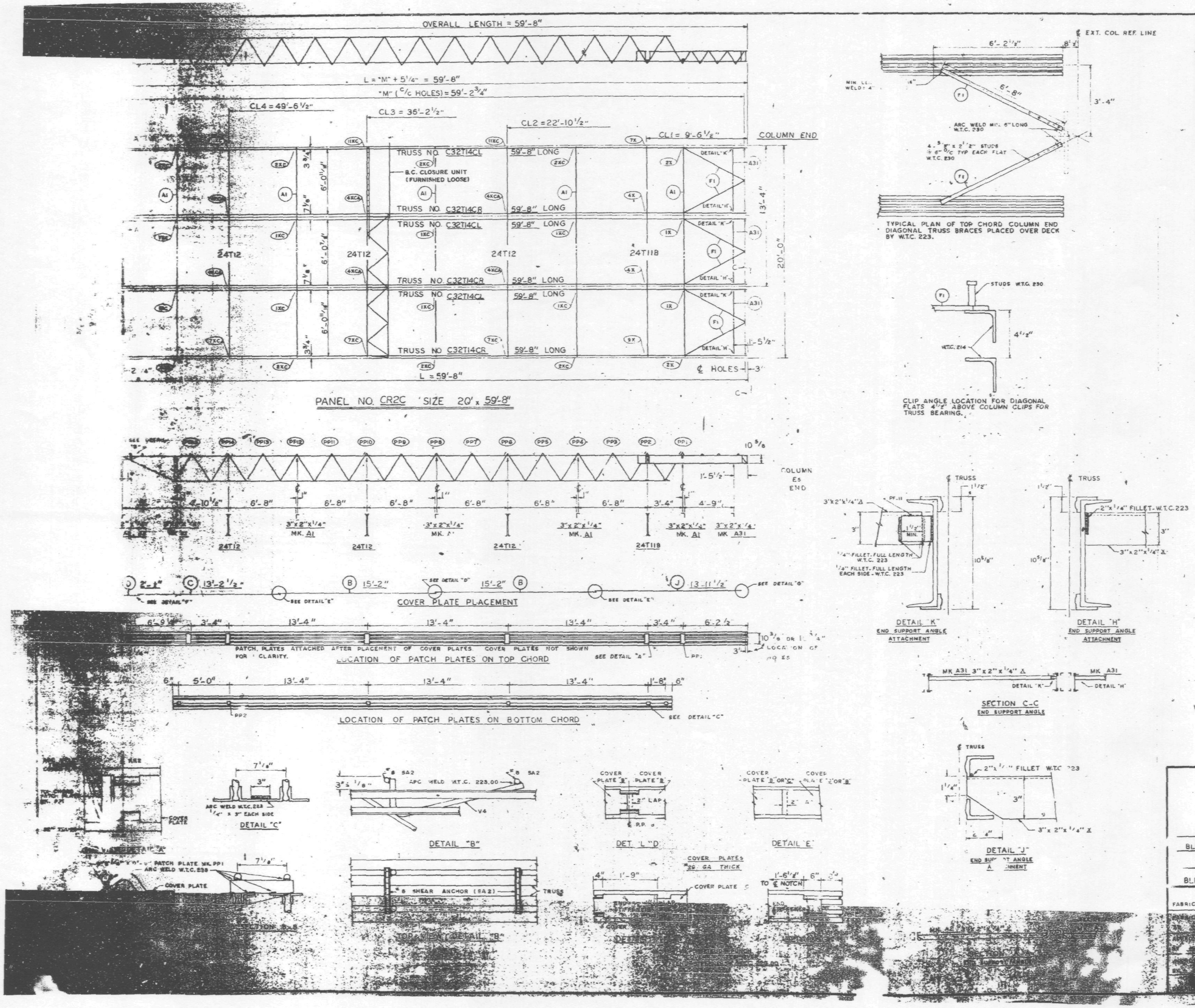
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED [illegible]

DESIGN DRAWING NO. [illegible]

APRIL 28, 1969

APRIL 28, 1969



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14CL	3	C32T14CL x 59'-8"	ST 214CL
	T14CR	3	C32T14CR x 59'-8"	ST 214CL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" D 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PPL	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/8"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB3-29	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

VOID

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 59 & 92 (SOUTH)

PANEL CR2C - 20' x 59'-8"

BLDG. B FLOORS 59 & 92 (EAST)

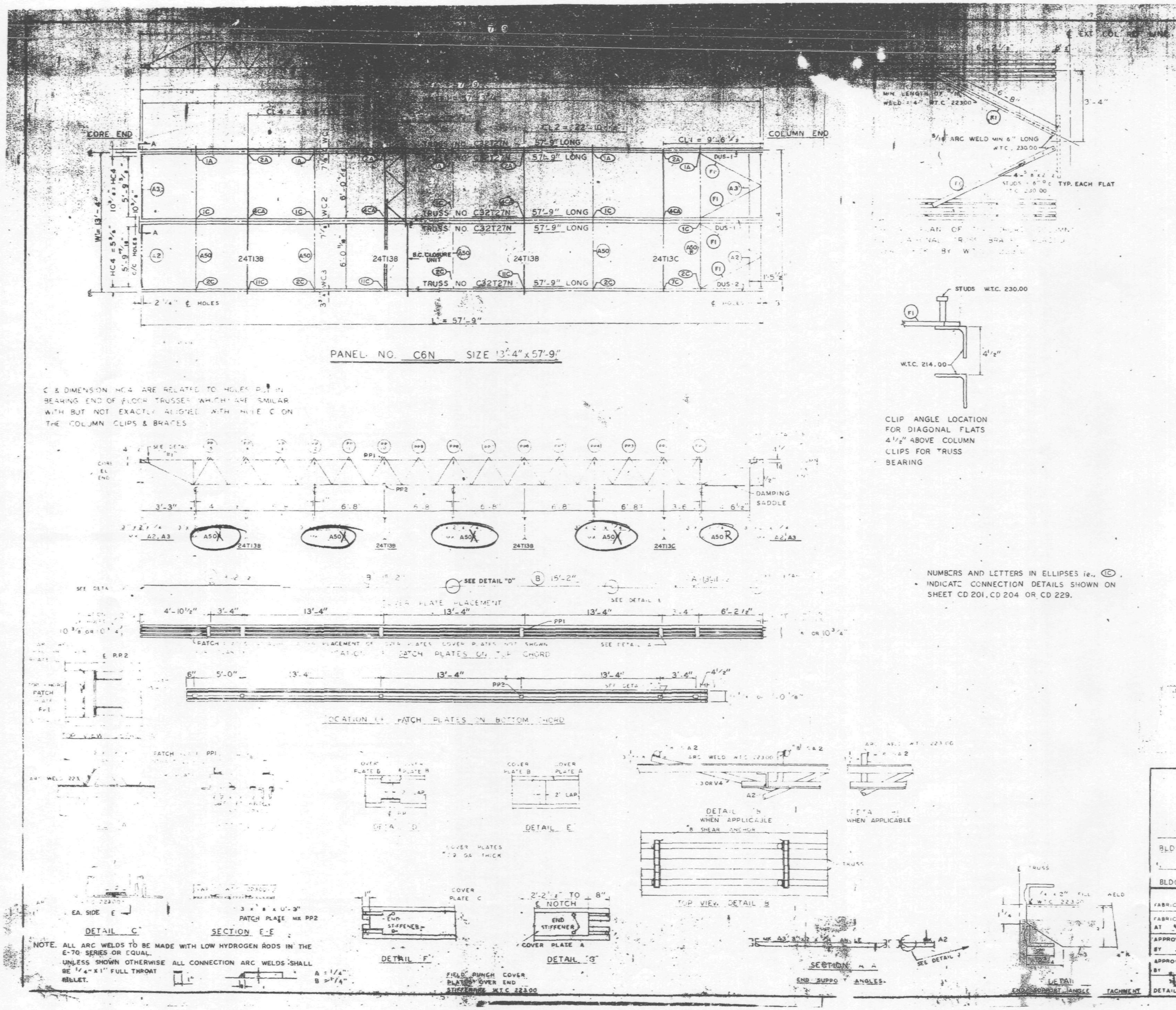
FABRICATION BY LACLEDE STEEL COMPANY

DESIGN DRAWING NO. 7-AB3-29

DRAWN BY

DATE APRIL 28, 196[illegible]

CHECKED BY



FLOOR TRUSSES	T27N	5	[illegible] 27N - 57' [illegible]	[illegible] 27N
BRIDGING TRUSSES	T13B	3	24T13B - 14'-1 1/2"	BT 213B
	T13C	1	24T13C - 14'-1 1/2"	BT 213C
3" x 2" x 1/4" ANGLE	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	2	3" x 2" x 1/4 x 5'-11 3/4"	ST 403
	A50 / A50R	4 / 1	3" x 2" x 1/4" x 14'-1 1/4"	ST 413
DIAGONAL FLATS	F1	4	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x 0.35" x 3'-11 1/2"	ST 303
	B	6	9" x 0135" x 15'-2"	ST 303
	C	3	9" x 0135" x 13'-2 1/2"	ST 303
ANGLE CLIPS	C1	13	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-5 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P14	4	3" x 1/2" x 0'-11"	ST 416
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 213B

NO.	DATE	REVISION	BY

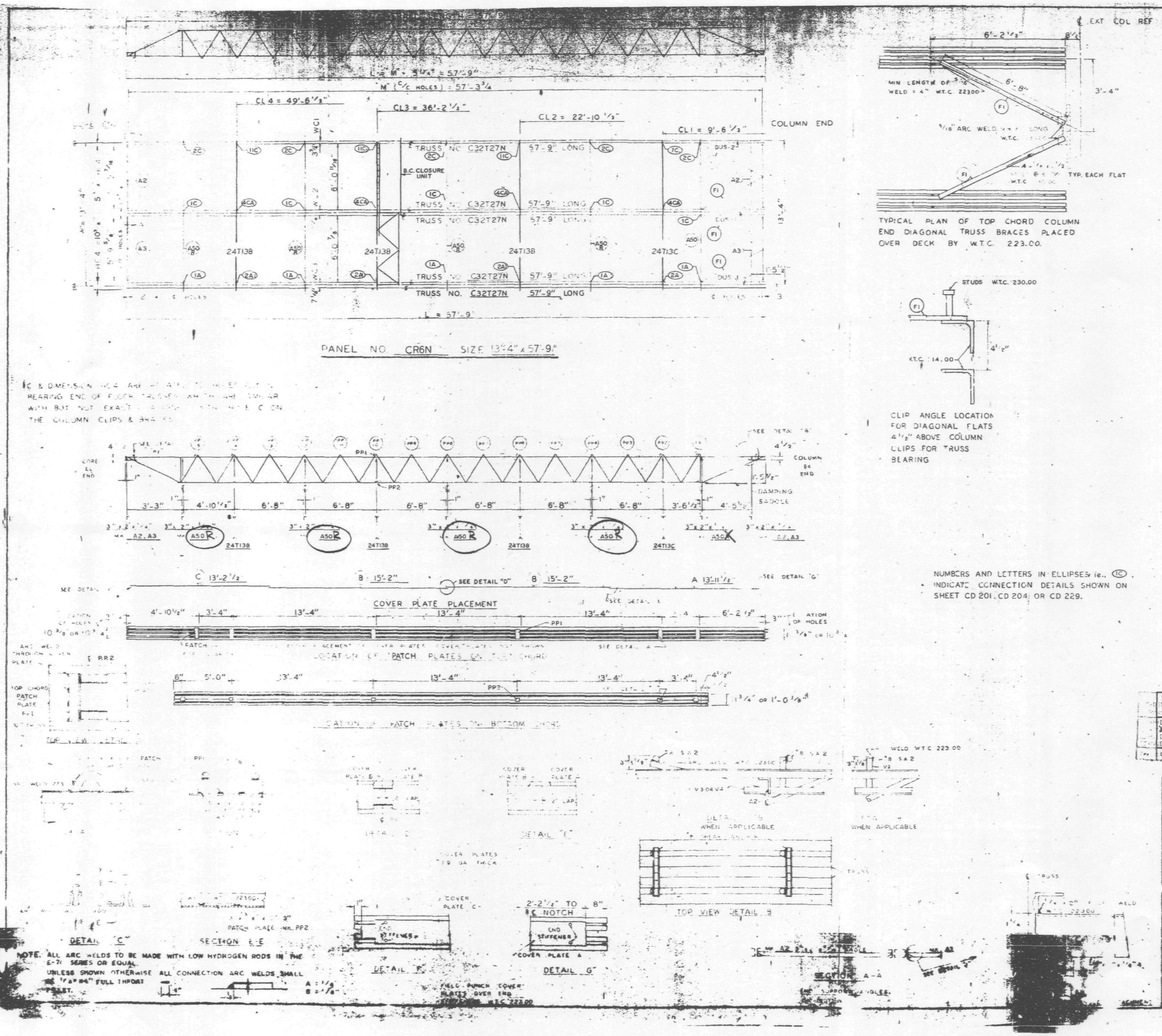
SKILLING - HELLE CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 4/23/69 By SK

REF DRWG	
7-AB4-15.1	10-4-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-24	1-6-69
7-AB3-77	1-6-69
7-AB1-24	1-6-69
7-A92-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (NORTH ONLY)
PANEL C6N - 13'-4" x 57'-9"
BLDG. B FLOORS 44 (WEST ONLY)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-77 PLATE
APPROVED FOR FABRICATION BY FOR P O N Y A. DATE
DRAWN BY — DATE MARCH 24, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY J.R.P. DATE MARCH 24, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT NO. W.T.C. 221
SHEET NO. FP-C6N



NUMBERS AND LETTERS IN ELLIPSES ie., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD 201, CD 204, OR CD 229.

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1/4" FULL THROAT FILLET.

REQUIRED MATERIAL [illegible]				
MATERIAL	MK	PCS	[illegible]	[illegible]
FLOOR TRUSSES	T27N	5	C32T27N - 57'-9"	ST227N
[illegible] TRUSSES	T13B	3	24T13B - 14'-1 1/2"	BT 213B
	T13C	1	24T13C - 14'-1 1/2"	BT 213C
[illegible] ANGLE	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	2	3"x2"x1/4"x5'-11 3/4"	ST 403
	A50 / A50R	1 / 4	3"x2"x1/4"x14'-1 1/4"	ST 413
[illegible] PLATS	[illegible]	4	[illegible] x 6'-8"	ST 402
PATCH PLATES	PP1	18	[illegible] x 0'-9"	ST 400
	PP2	18	[illegible] x 0'-3"	ST 400
[illegible] PLATES	A	3	[illegible]	ST 303
	B	6	[illegible]	ST 303
	C	3	[illegible]	ST 303
ANGLE CLIPS	[illegible]	13	2"x1 1/2"x1/4"x0'-6"	ST 400
[illegible] SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-5	ST 400
DAMPING SADDLE	DUS-1	2	[illegible]	ST298
	DUS-2	[illegible]	[illegible]	ST298
CONNECTION BAR	CB1	4	[illegible] x 1'-3"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	[illegible]	4 1/2" x .39" x 1'-0"	ST 400
	P14	4	3"x1/2"x 0'-11"	ST 416
CLOSURE UNIT	BC	3	1 1/4" □ 6'-6 1/2" TUBE	BT 213B

NO.	DATE	REVISION	BY

REF DRWG

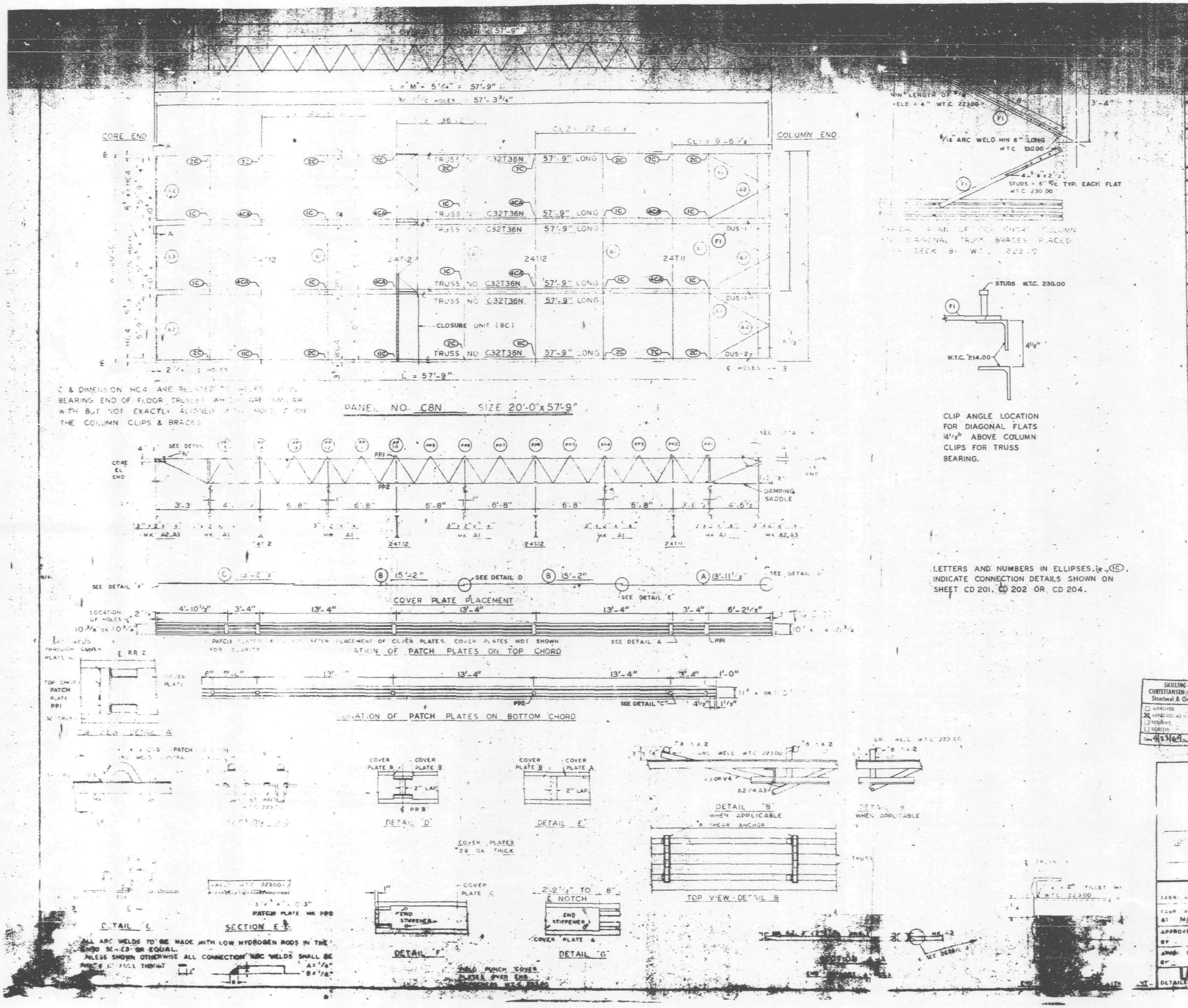
[illegible]	10-4-68
[illegible]	7-22-68
[illegible] 42	10-15-68
[illegible]	1-6-69
[illegible] 78	1-6-69
[illegible] 24	1-6-69
[illegible]	7-22-68

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 4/23/69 By SJL

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER [illegible] C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS - 44 (NORTH ONLY)
PANEL CR6N 13'-4" x 57'-9"
BLDG. B FLOORS - 44 (WEST ONLY)

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-78 PLATE
APPROVED FOR FABRICATION BY FOR PONYA DATE
DRAWN BY [illegible] DATE MARCH 24, 1969
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY J.B.P. DATE MARCH 24, 1969
IN CHARGE OF [illegible]
LACLEDE STEEL CO.
DETAILED BY A.C. [illegible]
FABRICATION CONT NO. WTC 221
SHEET NO. FP-CR6N



				REF. DRWG.
	T36	6	C32T36N - 57'-9"	ST 236N
BRIDGING TRUSSES	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	3	[illegible]	[illegible]
3" x 2" x 1/4" ANGLE	A1	[illegible]	[illegible]	[illegible]
	A2	[illegible]	[illegible]	ST 400
	A3	2	3" x 2" x 1/4" x 5'-[illegible]	ST 400
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST303
	B	6	9" x .0135" x 15'-2"	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8"	ST298
CONNECTION BAR	CB1	4	1" # x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 Ls 1 1/2" x 1 1/4" x [illegible] 230 x 6'-6 1/2"	BT212 CD204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

1 1/4 □ tube

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB4-19	12-20-68
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-41	7-22-68
SA-124	1-6-69
7-AB3-56	1-6-69
7-AB1-32	1-6-69
7-AB2-6 & 7	7-22-68
7-AB4-42	10-15-68

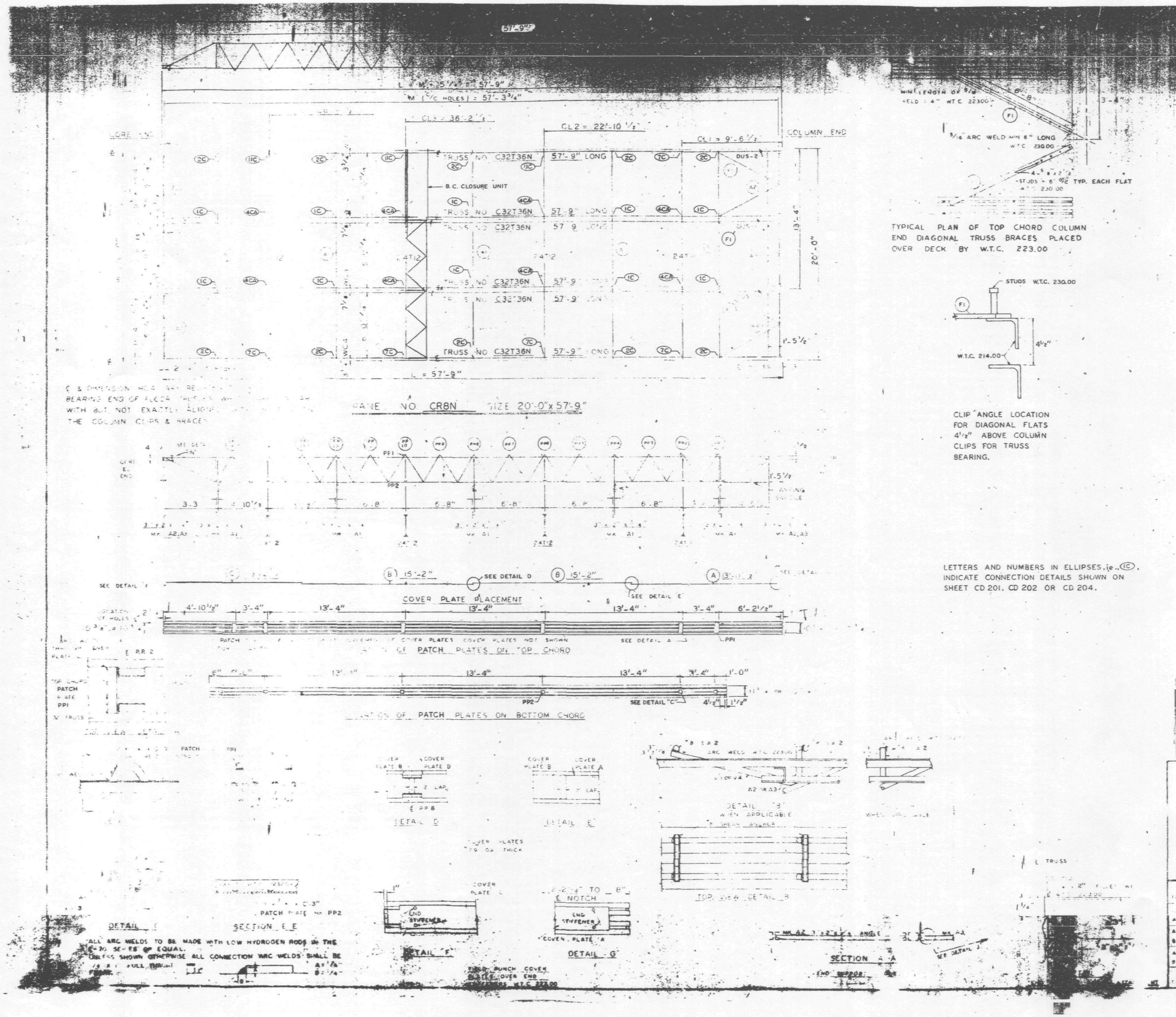
SKILLING - HELLE - CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 4/23/69 SK

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

[illegible] A FLOORS 44 (SOUTH ONLY)

PANEL C8N - 20'-0" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-56 PLATE
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A. DATE
DRAWN BY [illegible] DATE MARCH 31, 1969
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE MARCH 31, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
DETAILED BY A.C. WEBER
FABRICATION CONT. NO. WTC 221
SHEET NO FP C8N



				REF. DRWG.
FLOOR TRUSSES	T36	6	C32T36N - 57'-9"	ST 236N
BRIDGING TRUSSES	T11	[illegible]	24T12 [9'-11"]	BT211
	T12	[illegible]	24T12 [9'-11"]	BT212
3"x2"x1/4" ANGLE	A1	[illegible]	3"x2"x1/4"x 19'-11"	ST 403
	A2	4	3"x2"x1/4"x [illegible]	ST 403
	A3	2	3"x2"x1/4"x [illegible]	ST 403
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 402
PATCH PLATES	PP1	18	2"x 1/4"x 0'-9"	ST 400
	PP2	8	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	3	9"x .0135"x 13'-11"	ST303
	B	6	9"x .0135"x 15'-2"	ST303
	C	3	9"x .0135"x 3'-2"	ST303
ANGLE CLIPS	C1	21	2"x 1/2"x 1/4"x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2"x 3/8"x 3'-3 1/8"	ST 298
	DUS-2	1	3 1/2"x 3 1/2"x 3/8"x 3'-[illegible]	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 - 1 1/2 x 1 3/4" x .230 x 6'-6 1/2" 1 1/4 □ tube	BT 212 / CD 204
CONNECTION PLATES	P1	5	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	4	4 1/2"x .39"x 0'-9"	ST 400
	P3	1	4 1/2"x .39"x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWGS.

7-AB4-19	12-20-68
[illegible]	10-15-68
[illegible] 5 & 6	7-22-68
[illegible] 41	7-22-68
[illegible]	1-6-69
[illegible] AB3 57	1-6-69
[illegible] 32	1-6-69
[illegible] & 7	7-22-68
[illegible] AB4-42	10-15-68

SKILLING - HELLE[illegible] - CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
APPROVED
☒ APPROVED AS NOTED
RESUBMIT
REJECTED
Date 4/23/69 SK

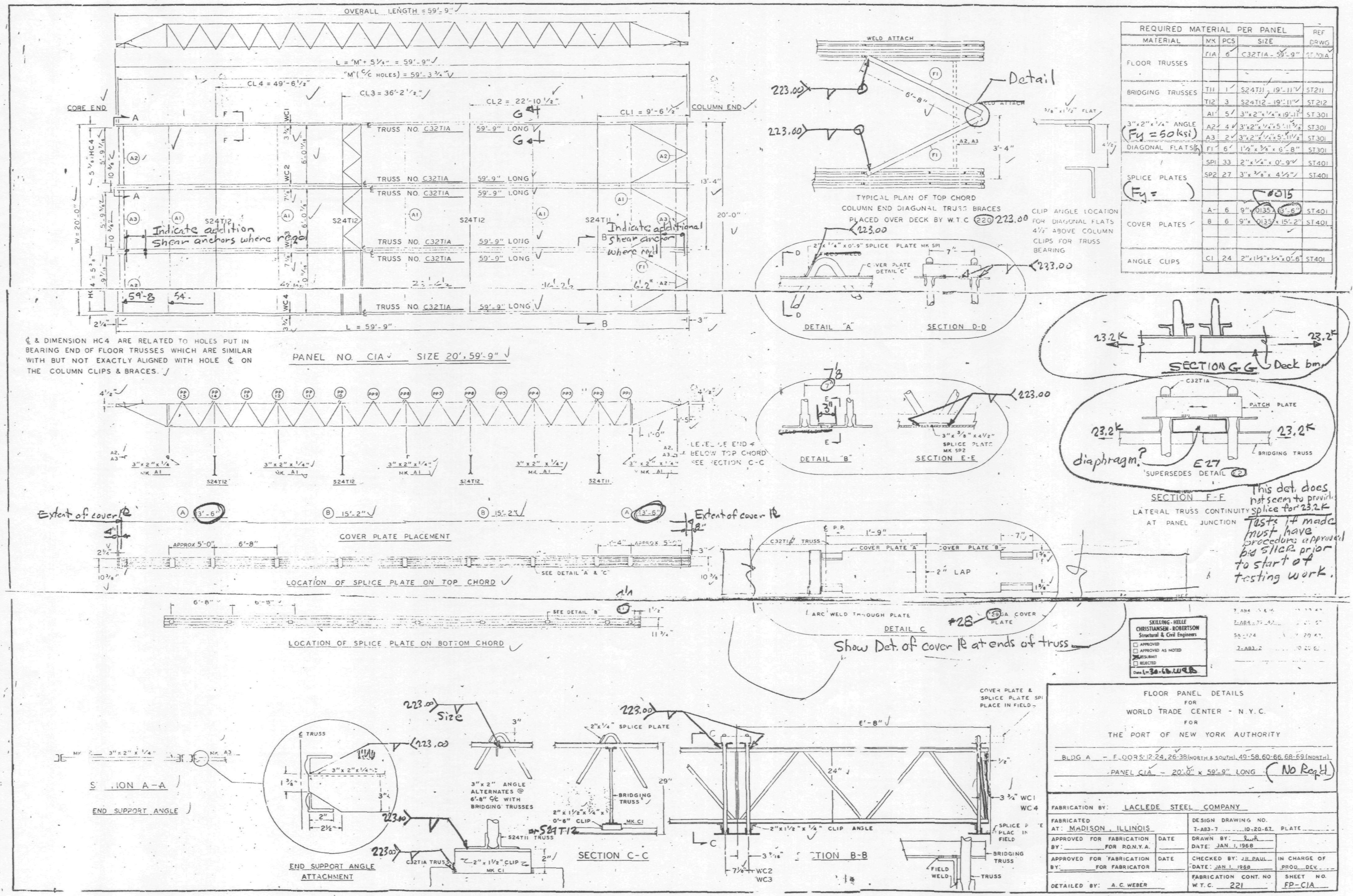
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER [illegible]
FOR
THE PORT OF NEW YORK AUTHORITY

FLOORS 44 (SOUTH ONLY)

PANEL CR8N 20'-0" x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

LOCATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-57	PLATE
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A. DATE	DRAWN BY [illegible] DATE MARCH 31, 1969	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR DATE	CHECKED BY T.M. CHURA DATE MARCH 31, 1969	IN CHARGE OF [illegible]
LACLEDE STEEL CO.	FABRICATION CONT. NO. [illegible] 221	SHEET NO. CR8N

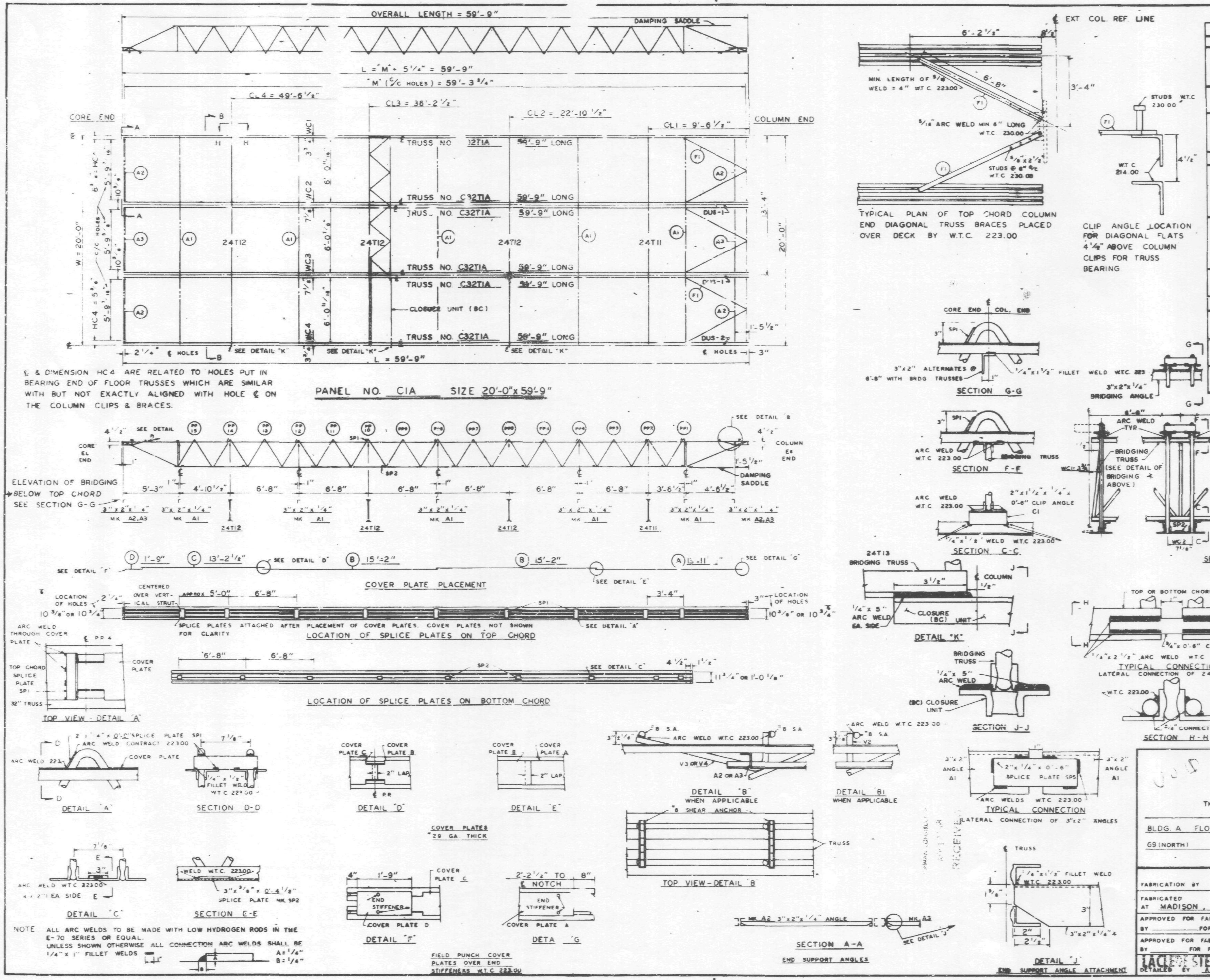


REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	1	S24T11 - 19'-11"	ST211
	T12	3	S24T12 - 19'-11"	ST212
3"x2"x1/4" ANGLE (Fy = 50 ksi)	A1	5	3"x2"x1/4"x19'-11"	ST301
	A2	4	3"x2"x1/4"x5'-11 5/8"	ST301
	A3	2	3"x2"x1/4"x5'-11 1/2"	ST301
DIAGONAL FLATS (Fy)	F1	6	1 1/2" x 5/8" x 6'-8"	ST301
SPLICE PLATES (Fy =)	SP1	33	2" x 1/4" x 0'-9"	ST401
	SP2	27	3" x 3/8" x 4 1/2"	ST401
COVER PLATES	A	6	9" x .0135 x 3'-6" (.015)	ST401
	B	6	9" x .0135 x 15'-2"	ST401
ANGLE CLIPS	C1	24	2"x1 1/2"x1/4"x0'-6"	ST401

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A - FLOORS 12-24, 26-38 (NORTH & SOUTH), 49-58, 60-66, 68-69 (NORTH)
PANEL C1A - 20'-0" x 59'-9" LONG (No Req'd)

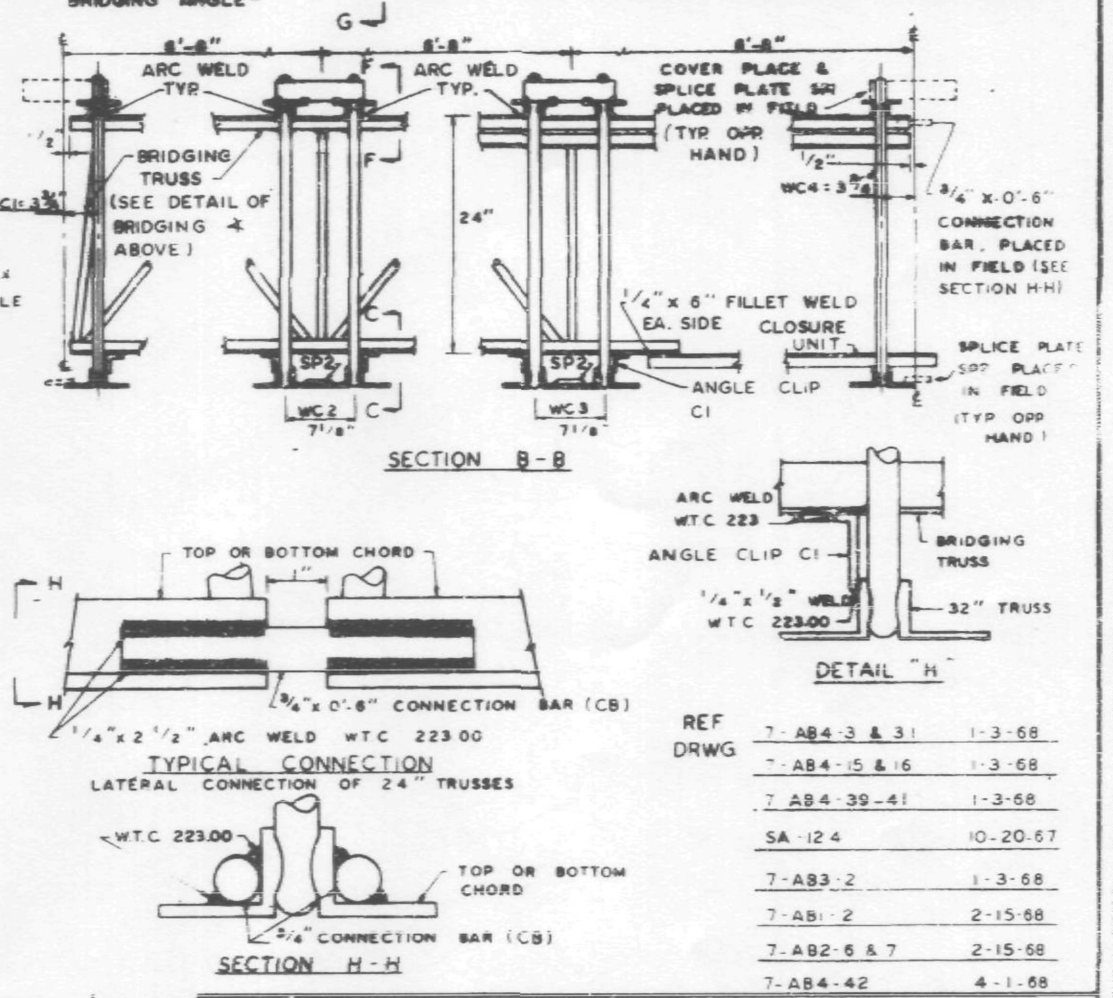
FABRICATION BY: LACLEDE STEEL COMPANY	
FABRICATED AT: MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-7 10-20-67 PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. — DATE	DRAWN BY: — DATE: JAN. 1, 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR — DATE	CHECKED BY: J.R. PAUL DATE: JAN 1, 1968 — IN CHARGE OF PROD. DEV.
DETAILED BY: A. C. WEBER	FABRICATION CONT. NO W.T.C. 221 — SHEET NO. FP-C1A



℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FILLET WELDS. A = 1/4", B = 1/4"

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T1A	[illegible]	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	1	24 ... 19'-11"	BT211
	T12	3	... 2 - 19'-11"	BT212
3"x2"x1/4" ANGL.	[illegible]	[illegible]	3"x2"x1/4"x [illegible] -11"	ST400
	A2	4	3"x2"x [illegible] x 5'-11 5/16"	ST400
	A3	2	3"x2"x1/4"x 5'-11 1/2"	ST400
DIAGONAL FLATS	F1	6	1 1/2"x 3/8" x 6'-8"	ST400
SPLICE PLATES	SP1	[illegible]	2"x 1/4" x 0'-9"	CD201
	SP2	27	3"x 3/8" x 0'-4 1/2"	CD201
	SP5	5	2"x 1/4" x 0'-6"	CD201
COVER PLATES	A	3	9"x.0135"x 13'-11 1/2"	ST303
	B	6	9"x.0135"x 15'-2"	ST303
	C	3	9"x.0135"x 13'-2 1/2"	ST303
	D	3	9"x.0135"x 1'-9"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x 1/4"x 0'-6"	CD201
#8 SHEAR ANCHOR	SA-	12	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST298
CONNECTION BAR	CB	10	3/4"⌀ x 0'-6"	CD201
CLOSURE UNIT	BC	3	2 ∠s 1 1/2"x 1 1/4"x	BT212
			.230 x 6'-4"	CD204

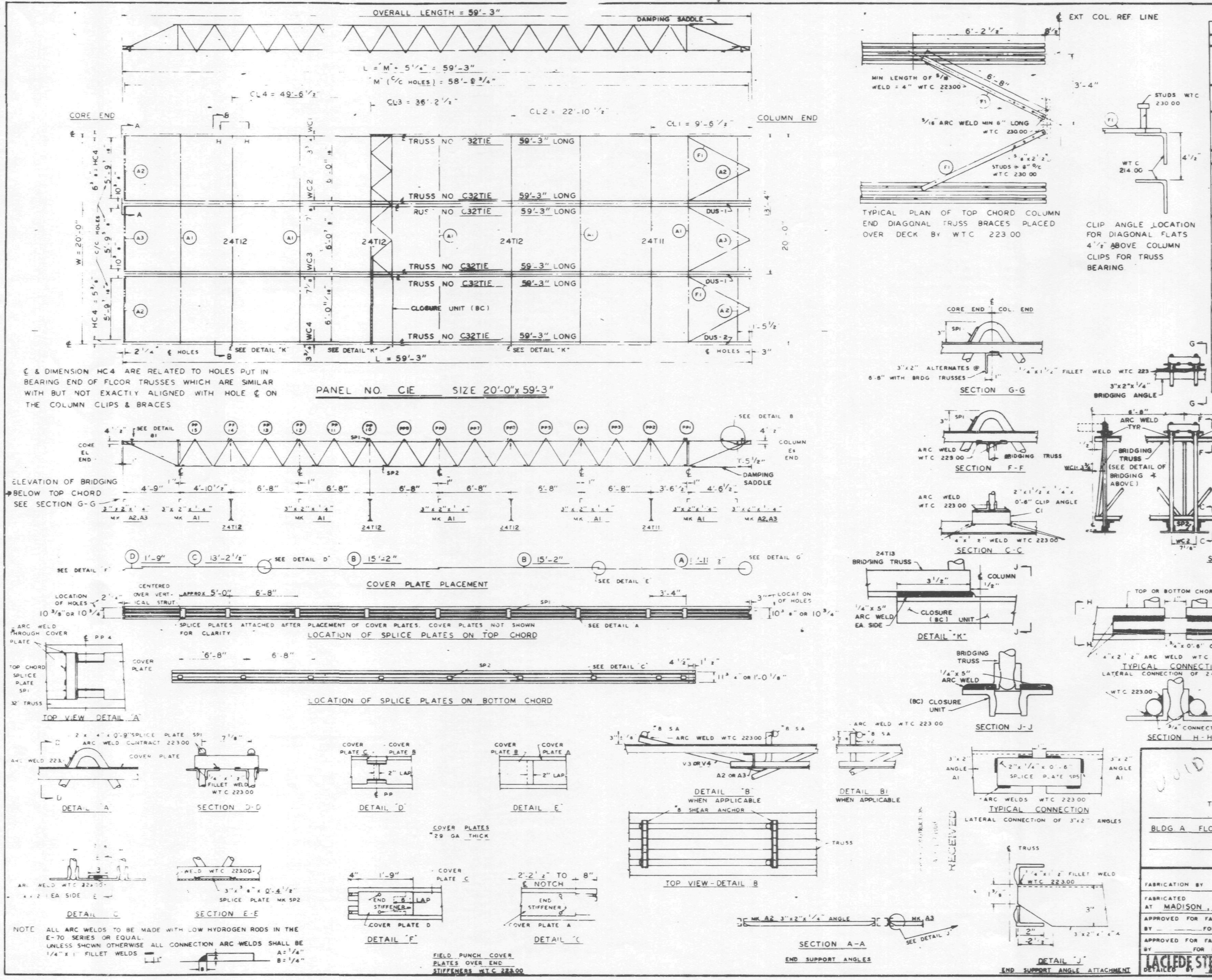


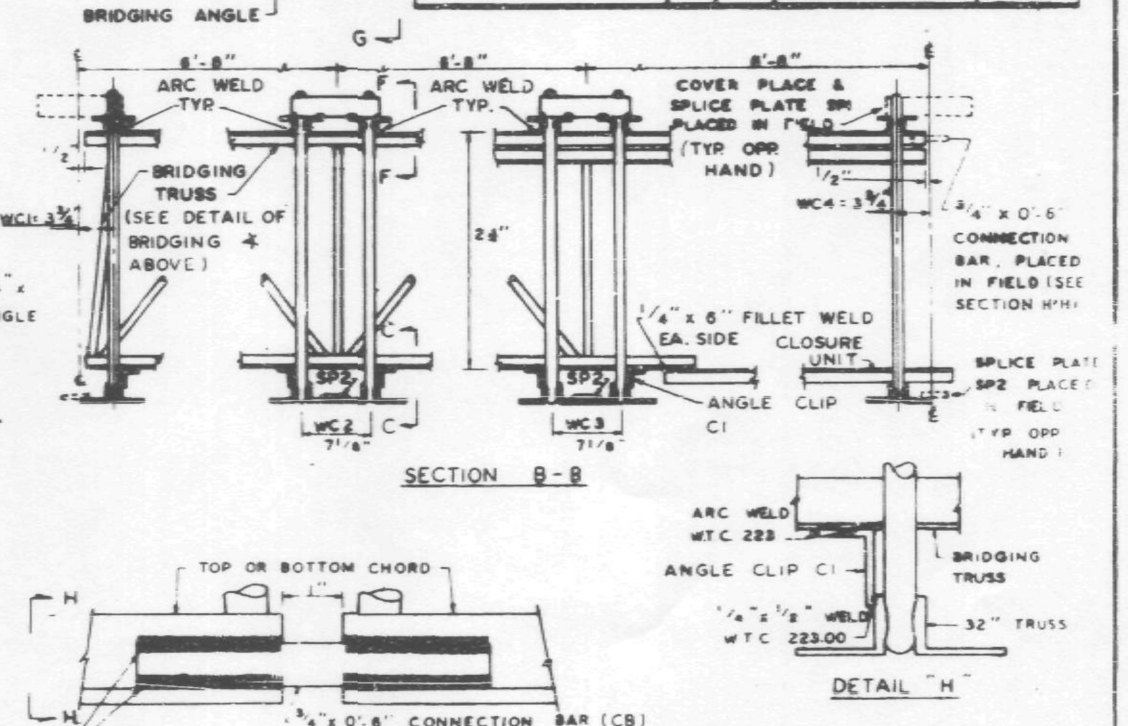
REF DRWG	
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6 & 7	2-15-68
7-AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 12-24, 26-38 (NORTH & SOUTH); 49-56, 60-66, 68, 69 (NORTH)
PANEL C1A - 20'-0" x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-7 4-1-68 PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE
DRAWN BY [illegible] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY J.R. PAUL DATE APRIL 10, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP C1A





REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	6	C32TIE - 59'-3"	ST201E
BRIDGING TRUSSES	T11	1	24 - 19'-11"	BT211
	T12	3	12 - 19'-11"	BT212
3"x2"x1/4" ANGL	A1	8	3"x2"x1/4"x 19-[illegible]	ST 400
	A2	4	3"x2"x1/4"x 5'-11 5/16"	ST 400
	A3	2	3"x2"x1/4"x 5'-11 1/2"	ST 400
DIAGONAL FLATS	F1	6	1 1/2"x 3/8"x 6'-8"	ST 400
SPLICE PLATES	SP1		2"x1/4"x 0'-9"	CD201
	SP2	27	3"x3/8"x 0'-4 1/2"	CD201
	SP5	5	2"x1/4"x 0'-5"	CD201
COVER PLATES	A	3	9"x.0135"x 13'-11 1/2"	ST303
	B	6	9"x.0135"x 15'-2"	ST303
	C	3	9"x.0135"x 13'-2 1/2"	ST303
	D	3	9"x.0135"x 1'-9"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x1/4"x 0'-6"	CD201
#8 SHEAR ANCHOR	SA-1	9	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x3/8"x3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x3/8"x3'-7 3/8"	ST298
CONNECTION BAR	CB	10	3/4"ϕ x 0'-6"	CD201
CLOSURE UNIT	BC	3	2-[illegible] 1 1/2"x 1 1/4"x	BT212
			.230 x 6'-4"	CD204

REF DRWG	
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-41	1-3-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6 & 7	2-15-68
7-AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-11 (NORTH & SOUTH)

PANEL C1E 20'-0" x 59'-3"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-7 4-1-68 PLATE

APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE

DRAWN BY [illegible] DATE APRIL 10, 1968

APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

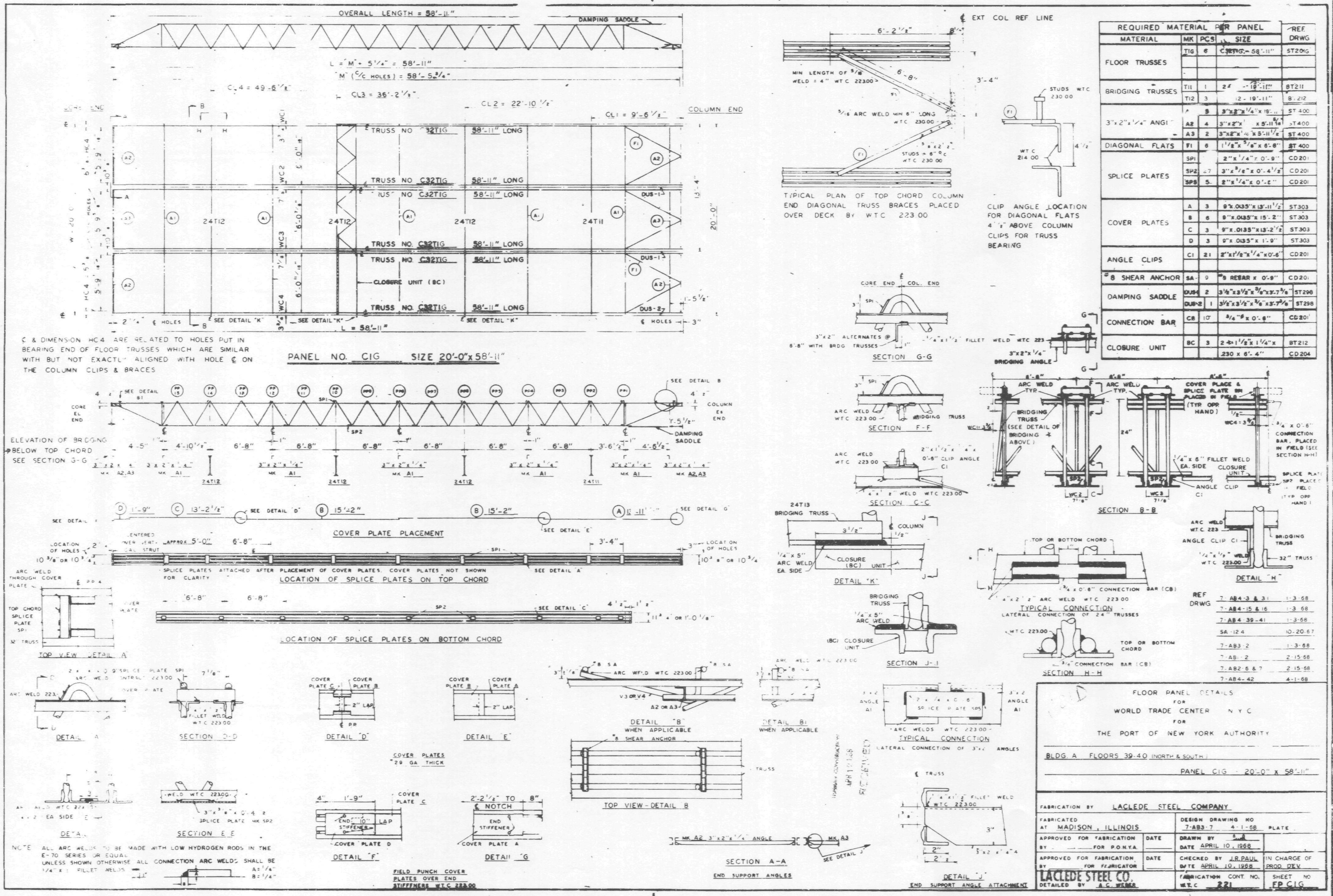
CHECKED BY J.R. PAUL DATE APRIL 10, 1968

IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO.
DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C 221

SHEET NO FP C1E



REQUIRED MATERIAL PER PANEL				REF. DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	6	C32T1G - 58'-11"	ST201G
BRIDGING TRUSSES	T11	1	24[illegible] - 19'-11"	BT211
	T12	3	[illegible]12 - 19'-11"	BT212
3"x2"x1/4" ANGLE	A	5	3"x2"x1/4"x 19'-[illegible]	ST400
	A2	4	3"x2"x[illegible] x 5'-11 [illegible]	ST400
	A3	2	3"x2"x1/4"x 5'-11 1/2"	ST400
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST400
SPLICE PLATES	SP1		2"x 1/4"x 0'-9"	CD201
	SP2	27	3"x 3/8"x 0'-4 1/2"	CD201
	SP5	5	2"x 1/4"x 0'-[illegible]"	CD201
COVER PLATES	A	3	9"x.0135"x 13'-11 1/2"	ST303
	B	6	9"x.0135"x 15'-2"	ST303
	C	3	9"x.0135"x 13'-2 1/2"	ST303
	D	3	9"x.0135"x 1'-9"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x 1/4"x 0'-6"	CD201
#8 SHEAR ANCHOR	SA-	9	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST298
CONNECTION BAR	CB	10	3/4"⌀ x 0'-6"	CD201
CLOSURE UNIT	BC	3	2-[illegible] 1 1/2"x 1 1/4"x	BT212
			.230 x 6'-4"	CD204

REF DRWG	
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-41	1-3-68
SA-12.4	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6 & 7	2-15-68
7-AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 39-40 (NORTH & SOUTH)

PANEL C1G - 20'-0" x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-7 4-1-68 PLATE

APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE

DRAWN BY [illegible] DATE APRIL 10, 1968

APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE

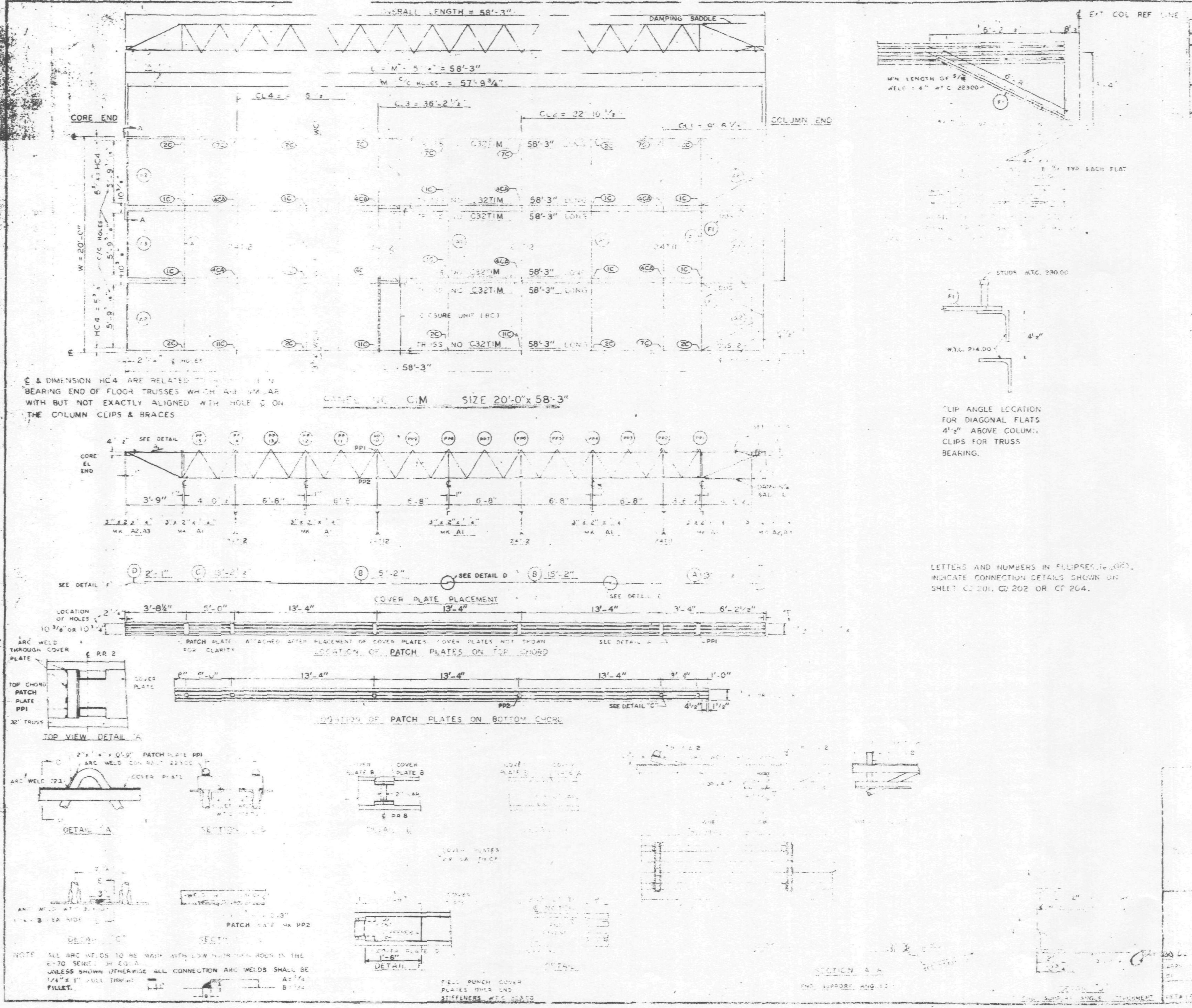
CHECKED BY J.R. PAUL DATE APRIL 10, 1968

IN CHARGE OF PROD. DEV.

LACLEDE STEEL CO.
DETAILED BY A.C. WEBER

FABRICATION CONT. NO. W.T.C. 221

SHEET NO FP C1G



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	TIM	6	C32TIM 58'-3"	[illegible]
BRIDGING TRUSSES	T[illegible]	1	24T[illegible]	[illegible]
	2	3	24T[illegible]	[illegible]
ANGLE			[illegible]	ST 403
			[illegible]	403
			[illegible]	ST 402
[illegible] PLATES	PP1	18	[illegible]	ST 400
	PP		[illegible]	ST 400
			[illegible] .035" x [illegible]	ST 303
			9" x .0135" x 15'-2"	ST 303
		3	[illegible] .135" x 3'-2 [illegible]	ST 308
		3	[illegible] .0135" x 2'-1"	ST 303
		21	2" x 1/2" x 1/4" x 0-6	ST 400
[illegible]	SA2	9	#8 REBAR x 0'-9"	ST 400
[illegible] ANGLE	[illegible]	[illegible]	[illegible] 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	[illegible] 2	1	[illegible] 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] 1 1/2" x 1 1/4" x	ST 212
			230 x 6'-6 1/2"	CD 204
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY

REF DRWG	
7-AB4-3,3.1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39 & 41	7-22-68
SA-12 4	10-11-68
7-AB3-2	1-3-68
7-AB[illegible]-2	7-22-68
7-AB[illegible]-6 & 7	7-22-68
7-AB4-42	10-15-68

WORLD TRADE CENTER

[illegible] NEW YORK AUTHORITY

72-73 (N)

PANEL CIM 20'-0" x 58'-3"

COMPANY

DESIGN DRAWING NO. 7-AB3-7 7-22-68 DATE

FOR PONYA 11/7/68

APPROVED FOR FABRICATION BY FABRICATOR — DATE

DRAWN BY [illegible] DATE 10-24-68

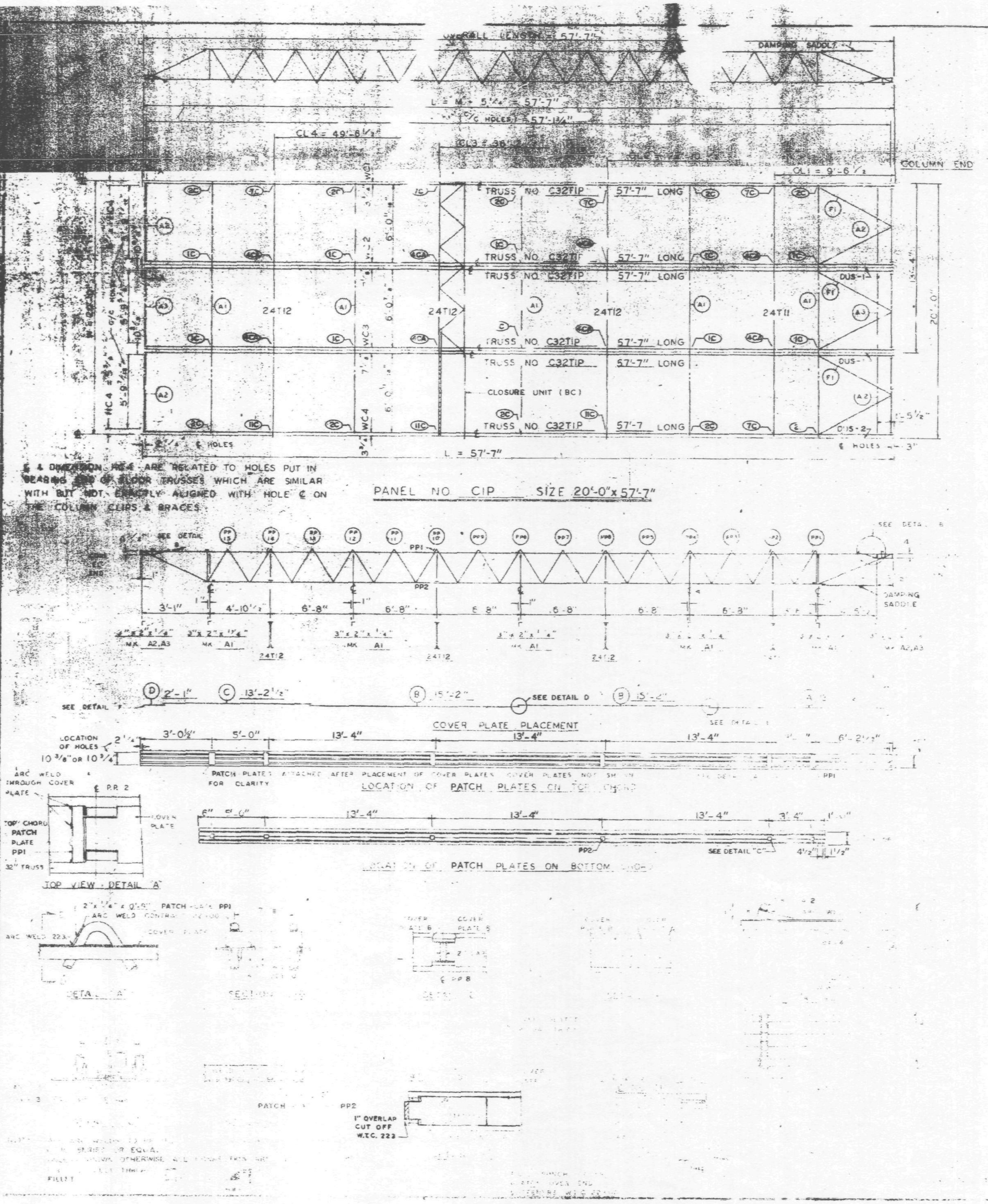
CHECKED BY T.M. CHURA DATE 10-24-68

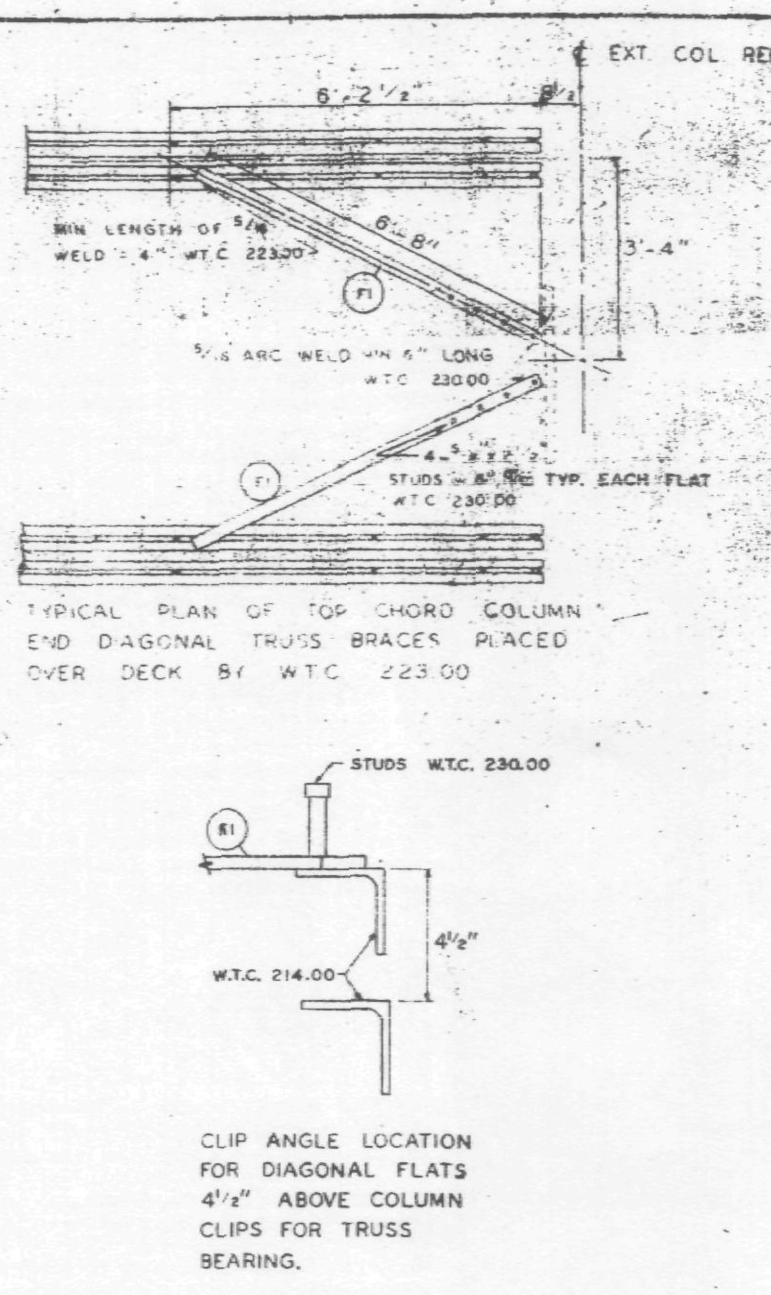
IN CHARGE OF PROD. DEV.

DETAILED BY [illegible] CO.

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. [illegible] CIM





REQUIRED MATERIAL [illegible]				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	TIP	6	C32TIP 57'-7"	[illegible]
BRIDGING TRUSSES	TI1	1	24T11	[illegible]
	TI2	3	24T12	[illegible]
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 1 1/2	ST [illegible]
	A2	4	3" [illegible] x 5'-11 [illegible]	[illegible]
	A3	2	[illegible] 2" x 1/4" x 5'-11 3/4	[illegible]
DIAGONAL FLATS	F1	5	[illegible]	[illegible]
PATCH PLATES	PP1	18	2" x 7/4" x 0'-9"	ST [illegible]
	PP2	18	3" x [illegible]	[illegible]
COVER PLATES	A	3	9" x .0135" x 13'-10 1/2	[illegible]
	B	5	9" x .0135" x 15'-2	ST 300
	C	3	[illegible]" x .0135" x 13'-2 1/2	ST 303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-5"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8	[illegible]
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-8 7/8	[illegible]
CONNECTION BAR	CB1	4	1" x 1'-3"	ST 400
CLOSURE UNIT	BC	3	2 [illegible] x 1 1/2" x [illegible]	[illegible]
			.230 x 6'-6 1/2"	CD [illegible]
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400

LETTERS AND NUMBERS IN ELLIPSES, I.E. (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEET CD COL. CD 202 OR CD 204.

NO.	DATE	REVISION	BY

1-3-68
7-22-68
7-22-68
10-11-68
1-3-68
7-22-68
7-22-68
10-15-68

74 (N)

P 57'-7"

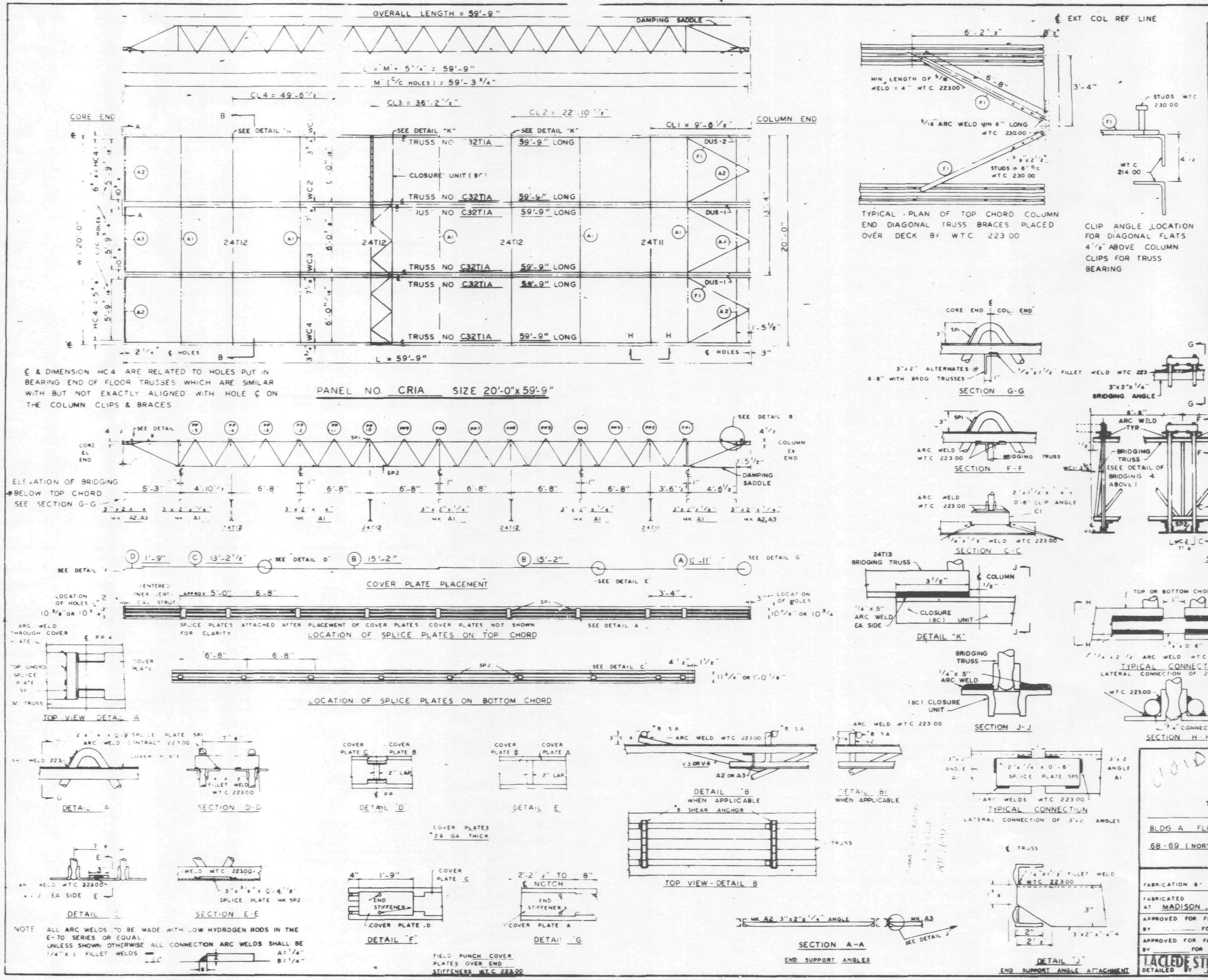
11/7/68

7-22-68

1-24-68

T.M. CHURA IN CHARGE OF
1-24-68 ... 8800 DEV.

SHEET NO.
CIP



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1A	6	C32T1A - 59'-9"	ST201A
BRIDGING TRUSSES	T11	1	2 … 1 - 19'-11"	BT211
	T12	3	… 12 - 19'-11"	BT212
3"x2"x1/4" ANGL		5	3"x2"x1/4" - 19'-11"	ST 400
	A2	4	3"x2"x … x 5'-11 …	ST 400
	A3	2	3"x2"x1/4" x 5'-11 1/2"	ST 400
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 400
SPLICE PLATES	SP1		2" x 1/4" x 0'-9"	CD20
	SP2	27	3" x 3/8" x 0'-4 1/2"	CD201
	SP5	5	2" x 1/4" x 0'-6"	CD201
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST303
	B	6	9" x .0135" x 15'-2	ST303
	C	3	9" x .0135" x 13'-2 1/2"	ST303
	D	3	9" x .0135" x 1'-9"	ST303
ANGLE CLIPS	C1	21	2" x 1 1/2" x 1/4" x 0'-6"	CD201
#8 SHEAR ANCHOR	SA-	12	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-7 3/8"	ST298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-7 3/8"	ST298
CONNECTION BAR	CB	10	3/4" Ø x 0'-6"	CD201
CLOSURE UNIT	BC	3	2 … x 1 1/2" x 1 1/4" x .230 x 6'-4"	BT212 / CD204

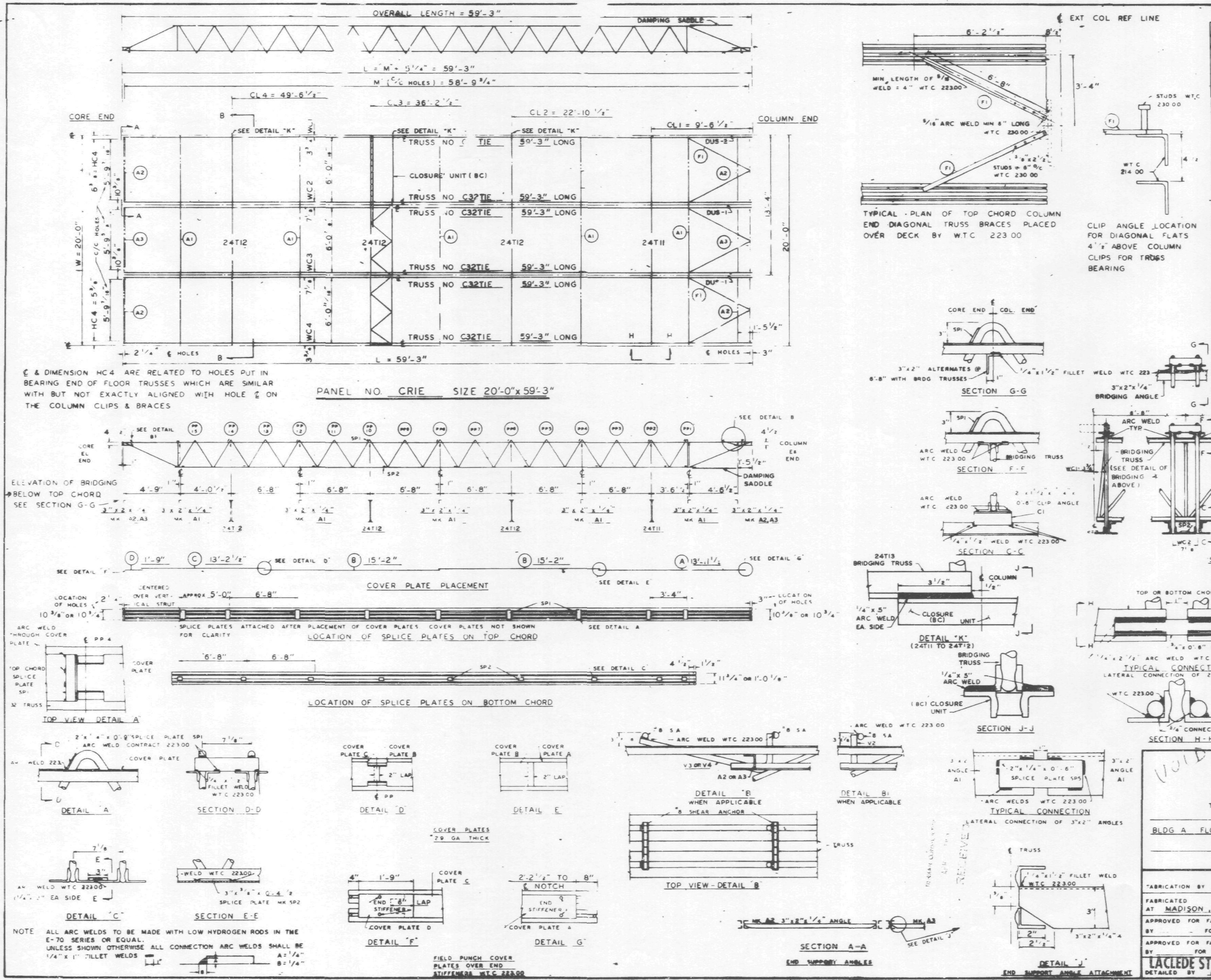
REF DRWG	
7-AB4-3 & 3	3-68
7-AB4-15 & 6	3-68
7-AB4-39-41	3-68
SA 124	C-20
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2 6 & 7	2-15-68
7-AB4-42	4-1-68

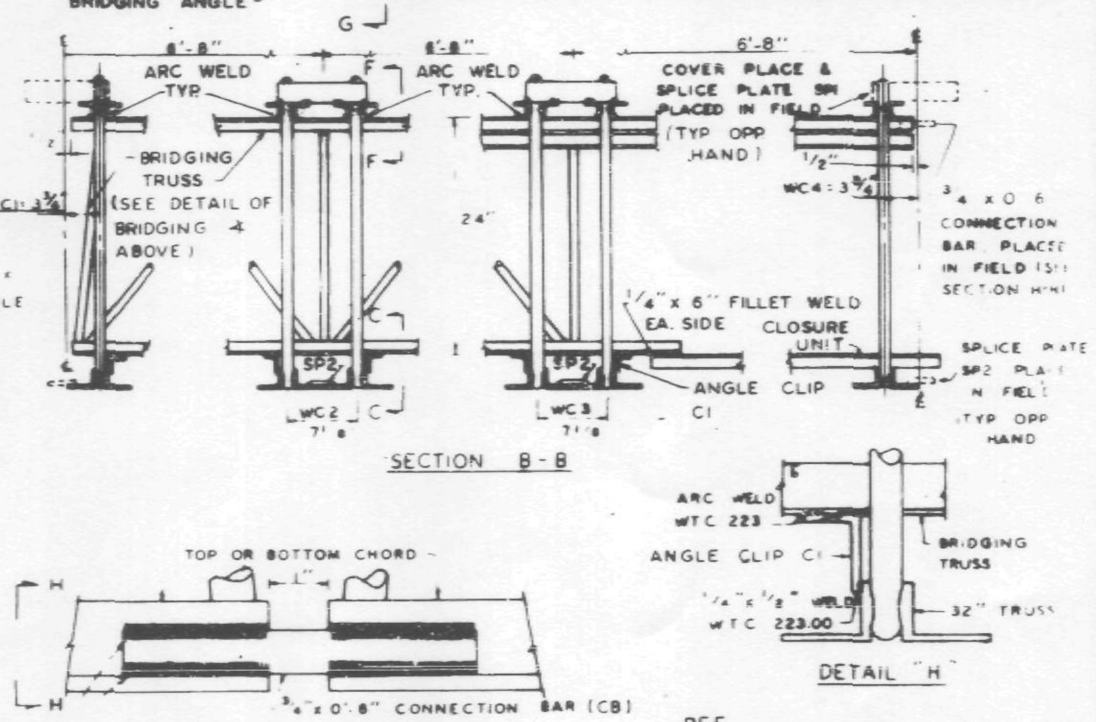
VOID

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 12-24, 26-38 (NORTH & SOUTH) 45-58, 60-66
68-69 (NORTH) PANEL CRIA - 20'-0" x 59'-9

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-7 4-1-68 PLATE
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE
DRAWN BY L.A. DATE APR. 10, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY J.R. PAUL DATE APR. 10, 1968
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY R.C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO FP-CRIA





REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	TIE	6	C32TIE - 59'-3"	ST201E
BRIDGING TRUSSES	T11	1	24" 19'-11"	BT211
	T12	3	24 - 19'-11"	BT212
3"x2"x1/4" ANGLE	[illegible]	3	3"x2"x1/4"x 19'-11"	ST 400
	A2	4	3"x2"x1/ 5'-11 5/16	ST 400
	A3	2	3"x2"x1/4"x 5'-11 1/2"	ST 400
DIAGONAL FLATS	F1	6	1 1/2"x 5/8" x 6'-8"	ST 400
SPLICE PLATES	SP1	27	2"x 1/4" x 0'-9"	CD 201
	SP2	27	3"x 3/8" x 0'-4 1/2"	CD 201
	SP5	5	2"x 1/4"x 0'-6"	CD 201
COVER PLATES	A	3	9"x.0135"x 13'-11 1/2"	ST 303
	B	6	9"x.0135"x 15'-2"	ST 303
	C	3	9"x.0135"x 13'-2 1/2"	ST 303
	D	3	9"x.0135"x 1'-9"	ST 303
ANGLE CLIPS	C1	21	2"x1 1/2"x 1/4"x 0'-6"	CD 201
#8 SHEAR ANCHOR	SA	9	#8 REBAR x 0'-9"	CD 201
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST 298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST 298
CONNECTION BAR	CB	10	3/4" ⌀ x 0'-6"	CD 201
CLOSURE UNIT	BC	3	2 ∠ 1 1/2"x 1 1/4"x	BT 212
			.230 x 6'-4"	CD 204

REF DRWG

7 AB4 3 & 31	1 3 68
7 AB4 15 & 6	1 3 68
7-AB4 39-41	1-3-68
SA 124	10-20 67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6 & 7	2-15-68
7-AB4-42	4-1-68

VOID

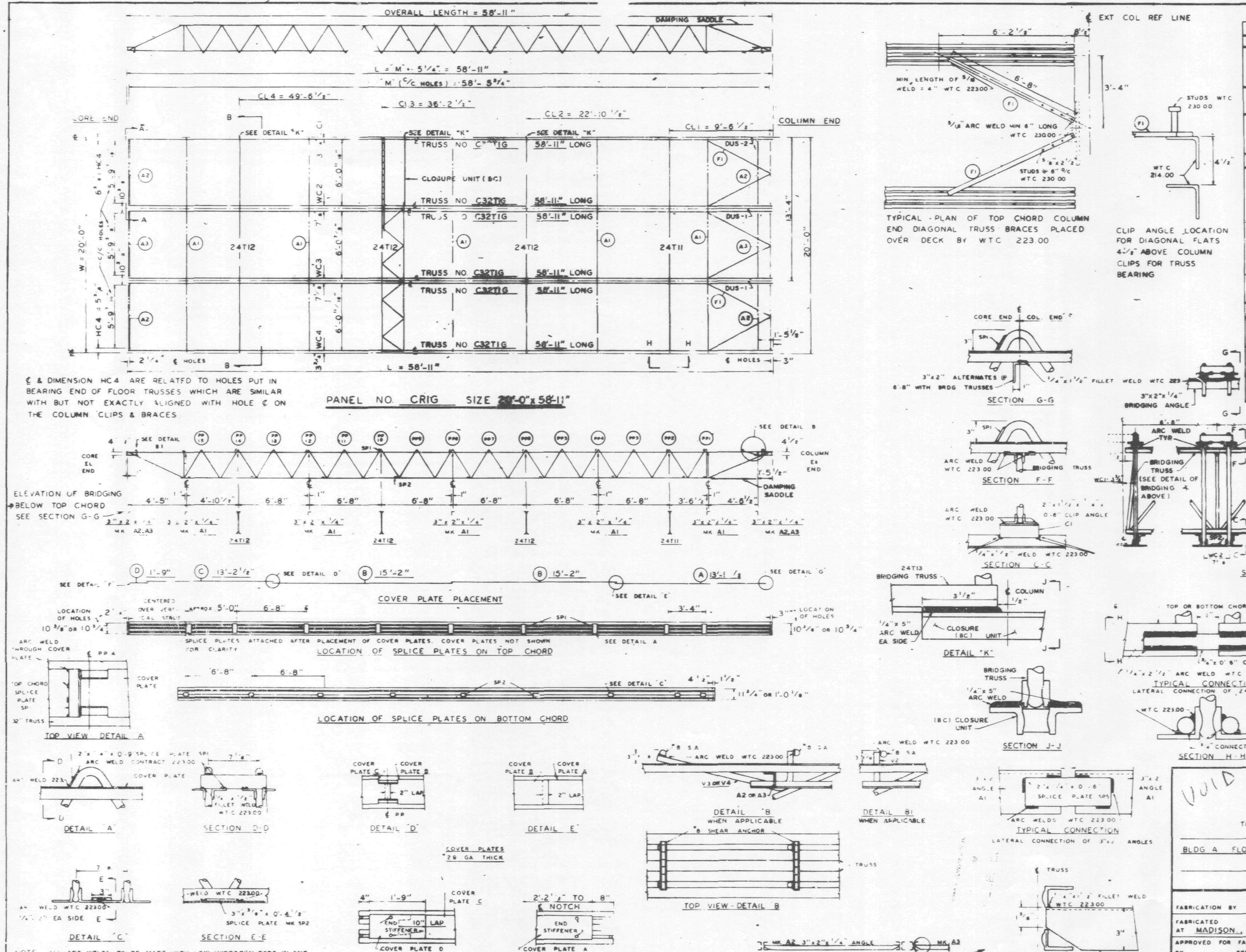
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-11 (SOUTH)

PANEL CRIE - 20'-0" x 59'-3

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-7 4-1-68	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE APR. 10, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE APR. 10, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WESKA		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP-CRIE



REQUIRED MATERIAL PER PANEL				REF DRWG
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T1G	6	C32T1G - 58'-11"	ST201G
BRIDGING TRUSSES	T11	1	24T[illegible] 19'-11"	BT211
	T12	3	24[illegible] - 19'-11"	BT212
3"x2"x1/4" ANGLE	A1	[illegible]	3"x2"x1/4"x 19'-11"	ST 400
	A2	4	3"x2"x1/4" 3'-11 5/16	ST 400
	A3	2	3"x2"x1/4"x 3'-11 1/2"	ST 400
DIAGONAL FLATS	F1	6	1 1/2"x 5/8"x 6'-8"	ST 400
SPLICE PLATES	SP1	27	[illegible]"x 1/4"x 0'-9"	CD201
	SP2	27	3"x 3/8"x 0'-4 1/2"	CD201
	SP5	5	2"x 1/4"x 0'-6"	CD201
COVER PLATES	A	3	9"x.0135"x 13'-11 1/2"	ST303
	B	6	9"x.0135"x 15'-2"	ST303
	C	3	9"x.0135"x 13'-2 1/2"	ST303
	D	3	9"x.0135"x 1'-9"	ST303
ANGLE CLIPS	C1	21	2"x1 1/2"x 1/4"x 0'-6"	CD201
#8 SHEAR ANCHOR	SA	9	#8 REBAR x 0'-9"	CD201
DAMPING SADDLE	DUS-1	2	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST298
	DUS-2	1	3 1/2"x3 1/2"x 3/8"x3'-7 3/8"	ST298
CONNECTION BAR	CB	10	3/4"# x 0'-8"	CD201
CLOSURE UNIT	BC	3	2[illegible] 1 1/2"x 1 1/4"x	BT212
			230 x 6'-4"	CD204

REF DRWG

7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	1-3-68
7-AB4-39-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-2	2-15-68
7-AB2-6 & 7	2-15-68
7-AB4-42	4-1-68

VOID

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N Y C
FOR
THE PORT OF NEW YORK AUTHORITY

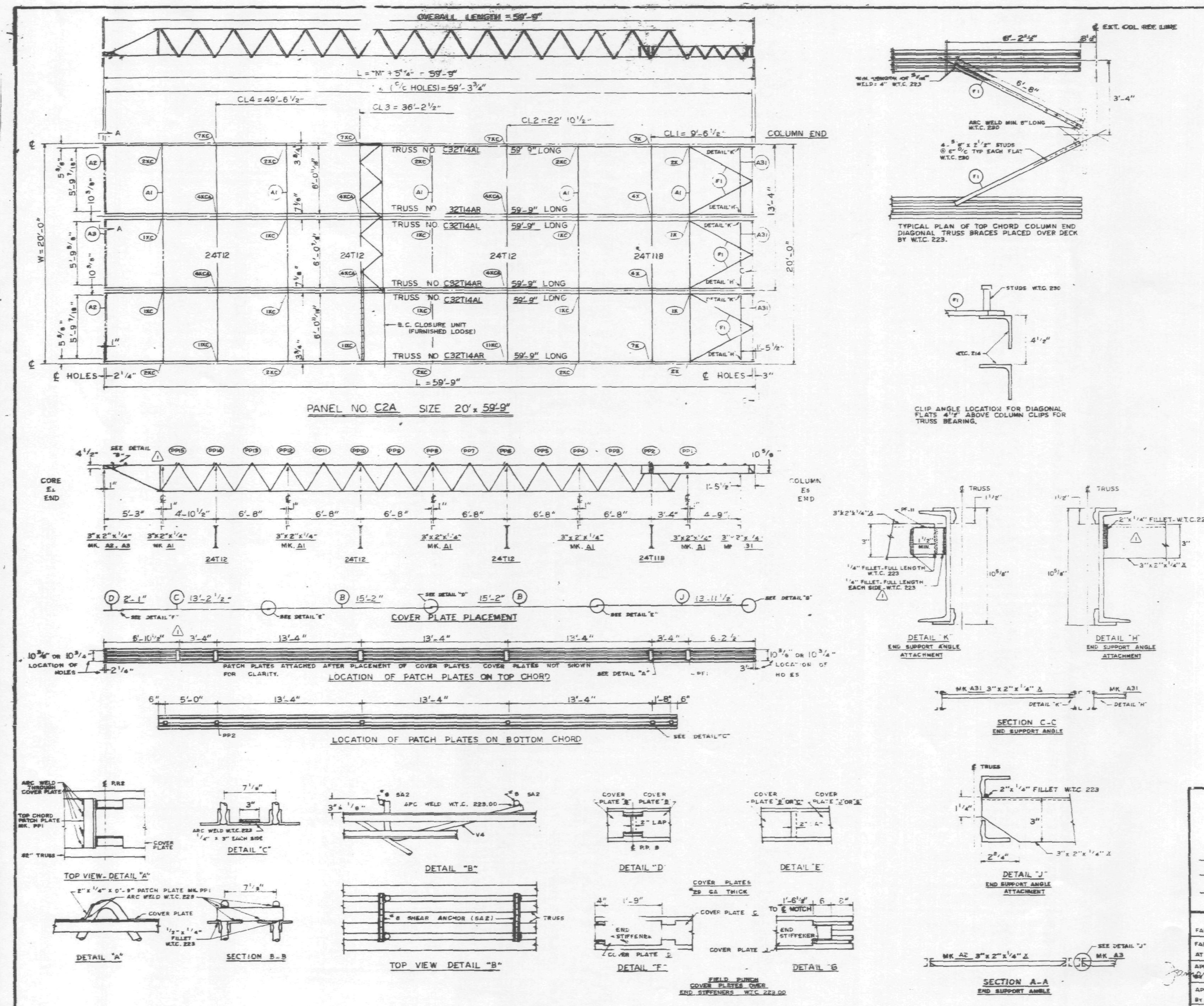
BLDG A FLOORS 10-11, 39 (NORTH) 39-40 (SOUTH)

PANEL CRIG - 20'-0" x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY

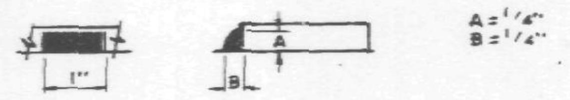
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-7 4-1-68 PLATE	
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE APR. 10, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY J.R.PAUL DATE APR. 10, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO FP-CRIG

NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FILLET WELDS. A = 1/4", B = 1/4"



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	[illegible]	3	C32T14AL x 59'-9"	ST214AL
	[illegible]	3	C32T14AR x 59'-9"	ST2 AL
BRIDGING TRUSSES	T11B	1	24T11B x 11"	BT 211B
	T12	3	24T12 x 19'-11"	BT 212
CLOSURE UNIT	BC	3	1 1/4" D 6'-6 1/2" TUBE	BT 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	2	3" x 2" x 1/4" x 5' 5"	ST 403
	A3	1	3" x 2" x 1/4" x 5' 4"	ST 403
	A31	3	3" x 2" x 1/4" x 5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	B.D.C.

REF DRWG.

7-AB3-28	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

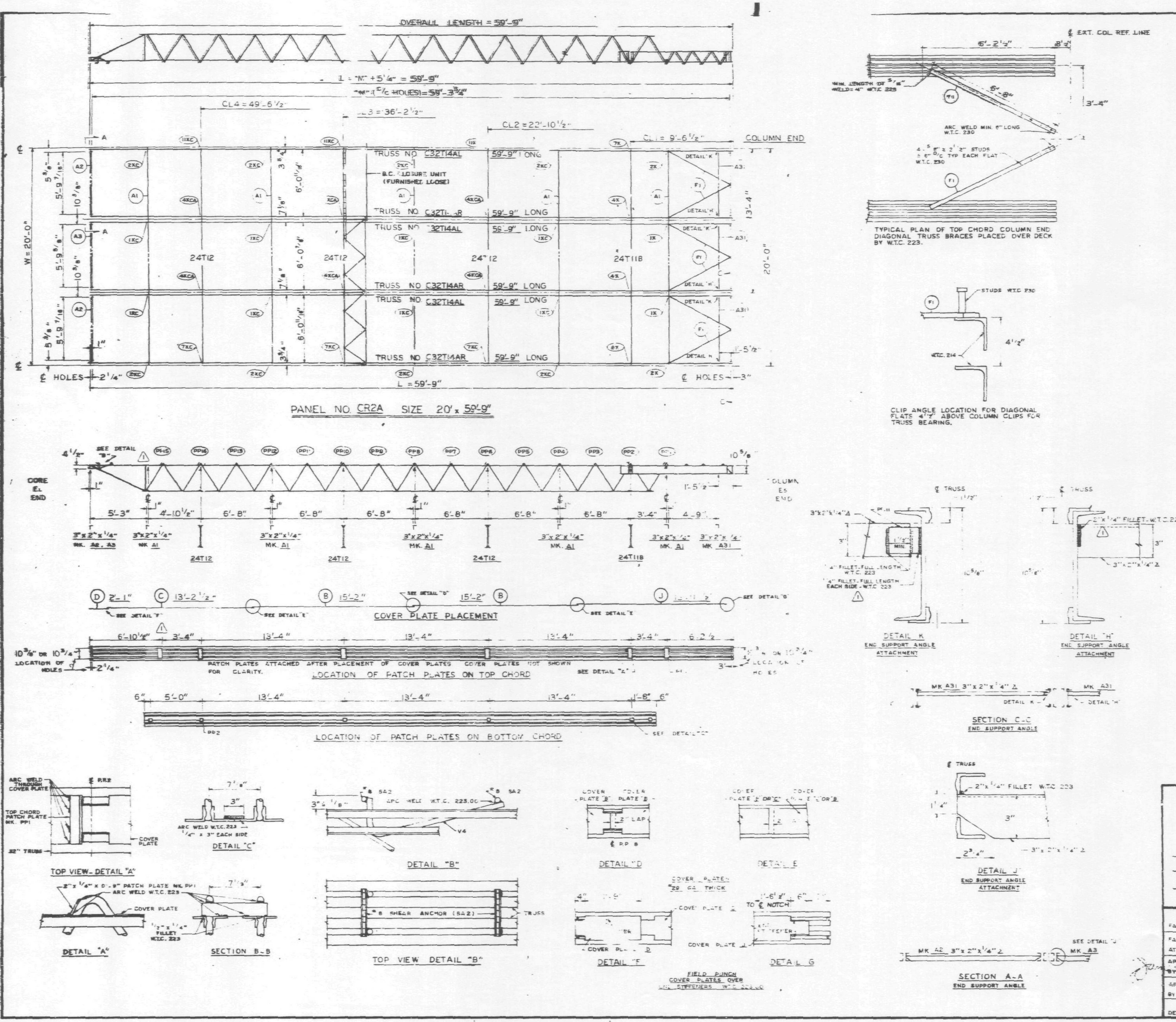
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH) /1\

PANEL C2A - 20' x 59'-9"

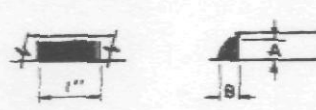
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-28 PLATE	
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A.	DATE 2/28/69	DRAWN BY [signature] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEK
[redacted] DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP C2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	3	C32T14AL x 59'-9"	ST 214AL
	T14AR	3	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T11B	1	24T11B x 19'-11"	211B
	T12	3	24T12 x 19'-11"	212
CLOSURE UNIT	BC	3	1 1/4" ☐ 6'-6 1/2" TUBE	ST 212
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 40[illegible]
	A2	2	3" x 2" x 1/4" x 5'-11 9/16"	ST 403
	A3	1	3" x 2" x 1/4" x 5'-11 3/4"	ST 403
	A31	3	3" x 2" x 1/4" x [illegible]	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	16	2" x 1/4" x 0'-9"	ST 400
	PP2	16	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	21	2" x 1 1/2" x .25" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie.. (1X)
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	

REF. DRWG.

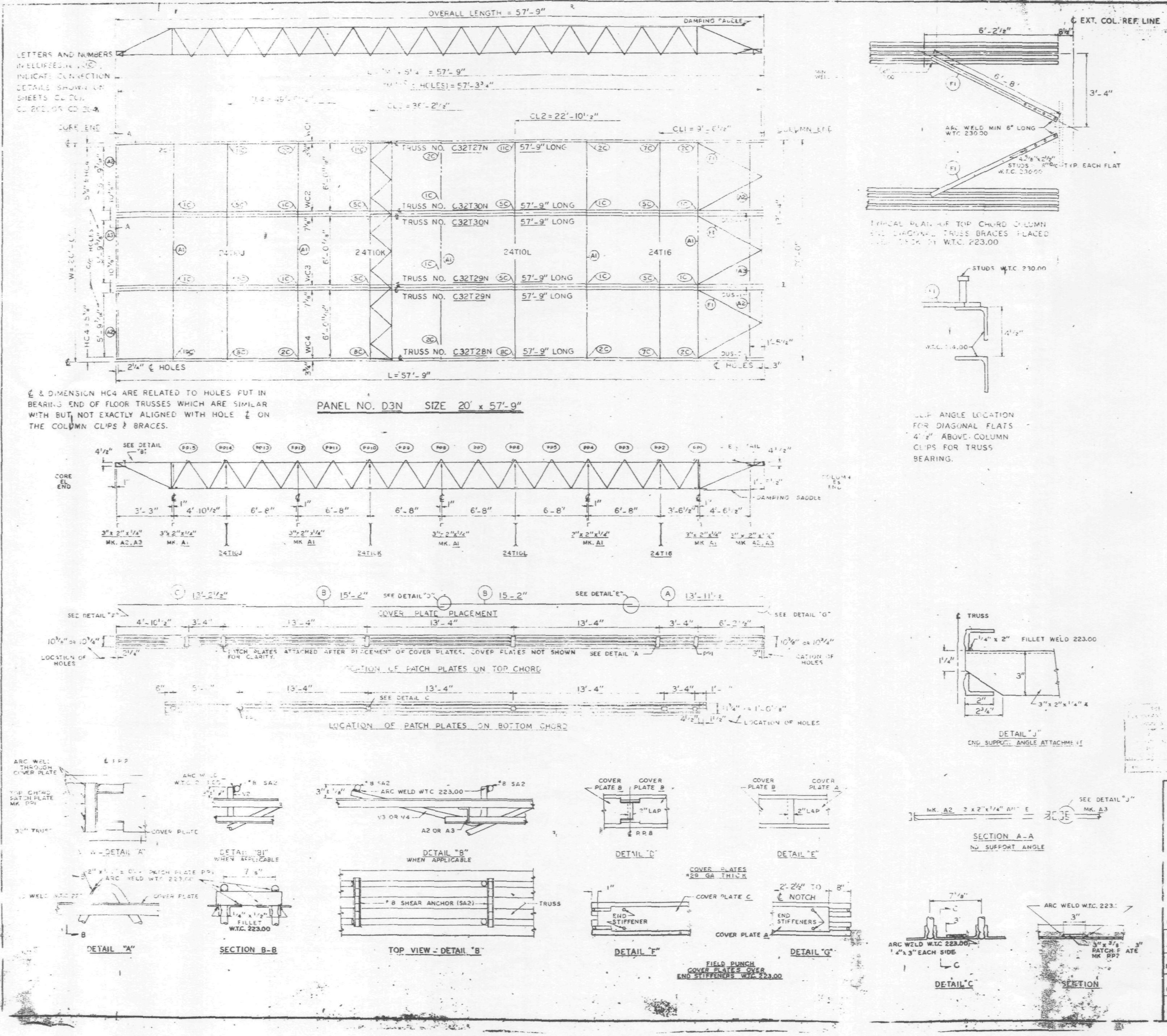
7-AB3-29	10-4-68
7-AB4-26	7-22-68
7-AB1-13	10-4-68
7-AB2-7	7-22-68
7-AB2-15	10-4-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL CR2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-AB3-29 PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A. DATE 2/28/69
DRAWN BY [illegible] DATE DEC. 5, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE
CHECKED BY T.N. CHURA DATE DEC. 5, 1968
IN CHARGE OF PROD. DEX
DETAILED BY A.C. WEBER
FABRICATION CONT. NO W.T.C. 22
SHEET NO FP CR2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS	SIZE	DRWG.
FLOOR TRUSSES	T27N	1	C32T27N - 57'-9"	ST 227N
	T28N	1	C32T28N - 57'-9"	ST 228N
	T29N	2	C32T29N - 57'-9"	ST 229N
	T30N	2	C32T30N - 57'-9"	ST 230N
BRIDGING TRUSSES	T10J	1	24T10J - 19'-11"	BT 210J
	T10K	1	24T10K - 19'-11"	BT 210K
	T10L	1	24T10L - 19'-11"	BT 210L
	T16	1	24T16 - 19'-11"	BT 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11¾"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	16	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	[illegible]	3½" x 3½" x ⅜" x 3'-[illegible]"	ST 298
CONNECTION BAR	CB1	4	1" ɸ x 1'-3"	ST 400
	CB4	5	1" ɸ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-[illegible]"	ST 400
	P6	1	4½" x .39" x 0'-[illegible]"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-47	1-6-69
7-AB4-3	10-1[illegible]-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-1[illegible]-68
SF-124	10-11-68
7-AB1-5	10-1[illegible]-68
7-AB1-2 & 3	7-22-68

Skilling, Helle, Christiansen, Robertson — Structural & Civil Engineers — 4/23/69 SK

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

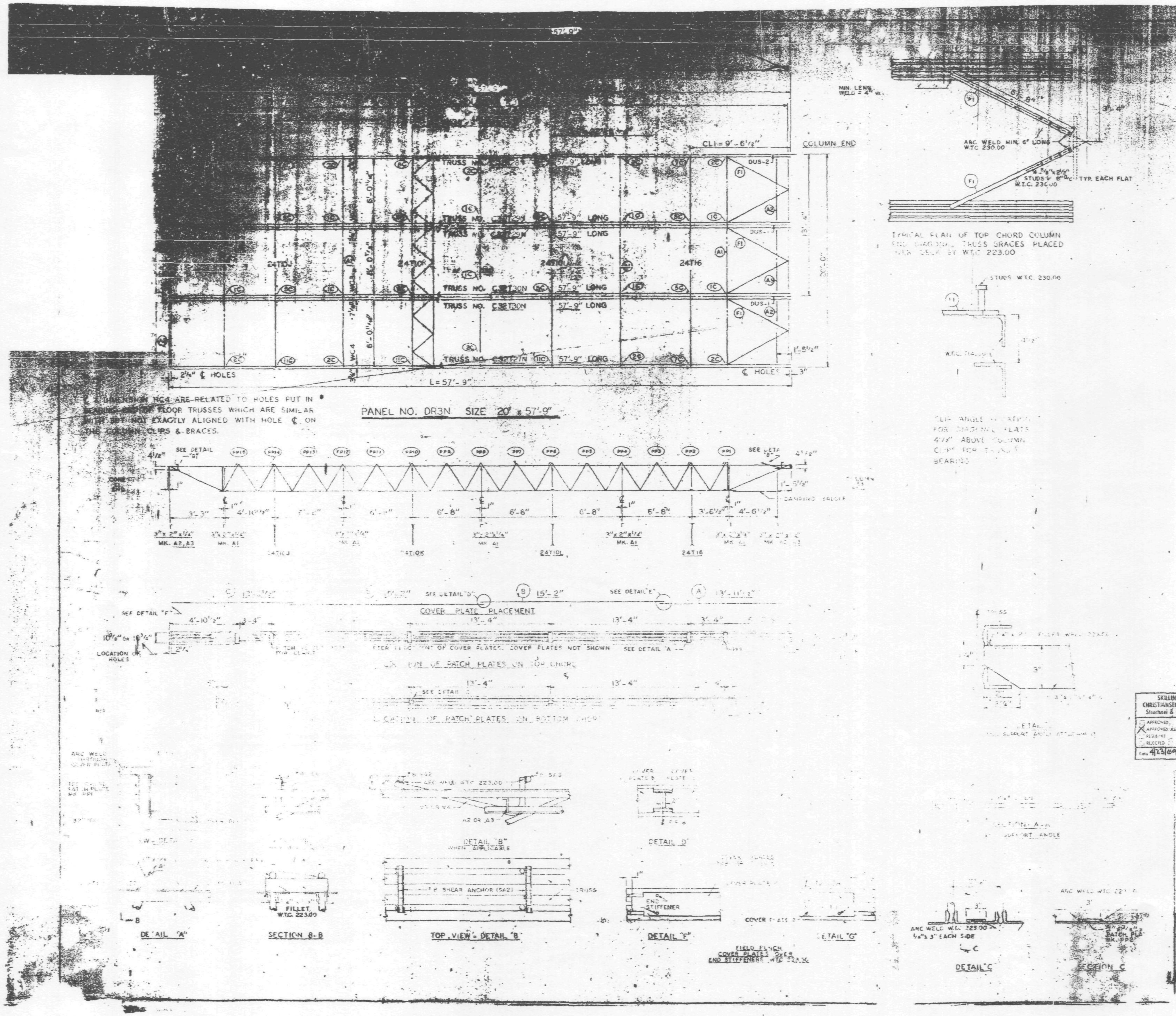
BLDG. A FLOORS 44 (NORTH & SOUTH)

PANEL D3N - 20' x 57'-9"

BLDG. B FLOORS 44 (EAST & WEST)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-47	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: adc DATE MARCH 26, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE MARCH 26, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP D3N



REQUIRED MATERIAL FOR PANEL				REF. DRWG.
MATERIAL	MK.	PC.	SIZE	
FLOOR TRUSSES	T27N	[illegible]	C32T27N—57'-9"	ST 227N
	T28N	1	C32T28N—57'-9"	ST 228N
	T29N	2	C32T29N—57'-9"	ST 229N
	T30N	2	C32T30N—57'-9"	ST 230N
BRIDGING TRUSSES	T10J	1	24T10J - 19'-11"	ST 210J
	T10K	1	24T10K - 19'-11"	ST 210K
	T10L	1	24T10L - 19'-11"	ST 210L
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x 1/4" ANGLE	A1	5	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11 [illegible]"	ST 403
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 8'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
ANGLE CLIPS	C1	24	[illegible] x 1/4" x 0'-8"	ST 400
#8 SHEAR ANCHOR	[illegible]	9	[illegible] x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x [illegible] x 3'-6 [illegible]"	ST 298
	DUS-2	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 [illegible]"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	8	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .30" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DWGS.

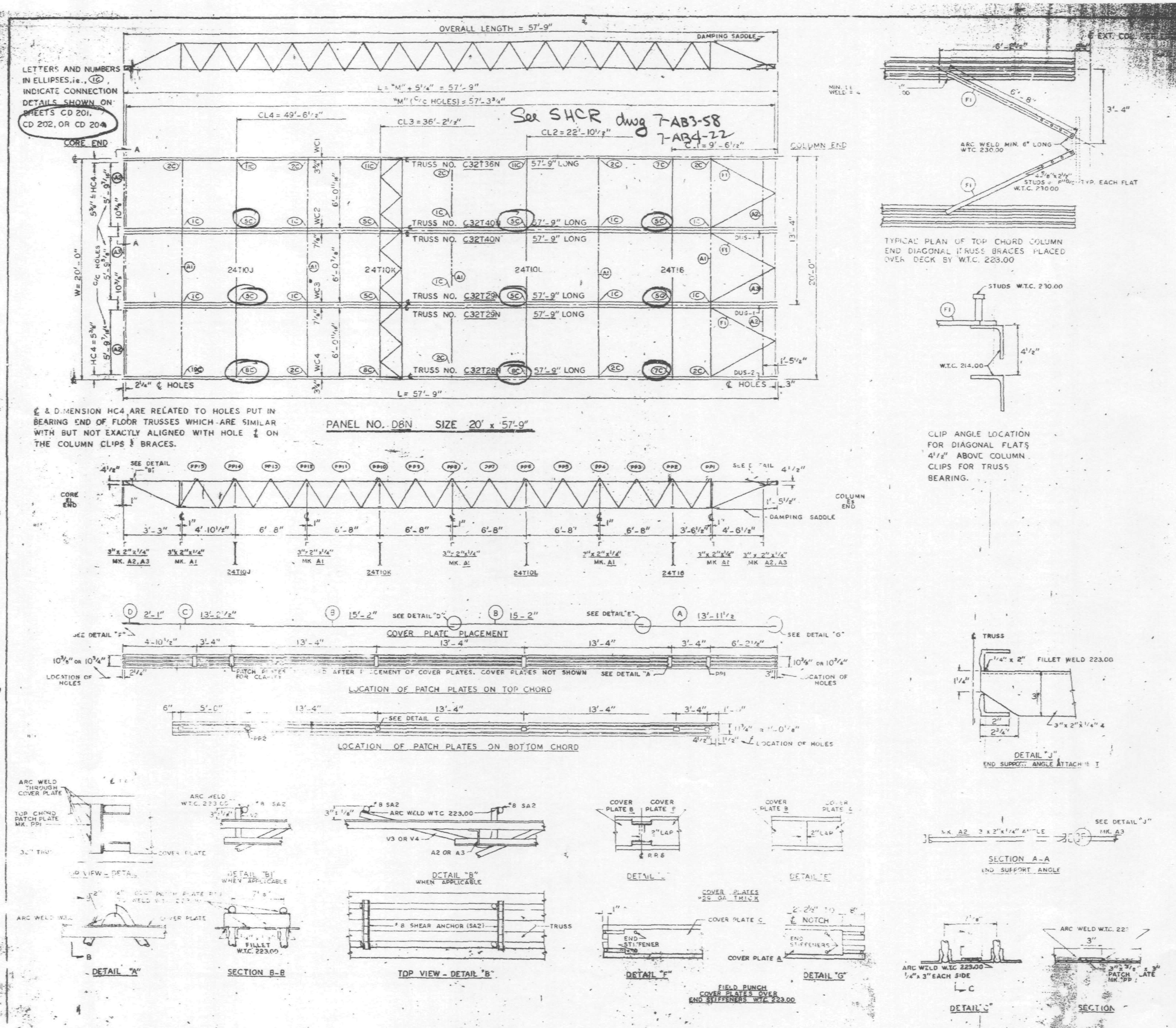
[illegible] 51	7-22-68
[illegible] 48	1-6-69
7-AB4-[illegible]	10-15-68
7-AB4- 5 & 16	7-22-68
7-AB4- 42 [illegible]	10-15-68
SS 124	10-11-68
[illegible]-5	10-15-68
[illegible]-1-2, 3 & 4	7-22-68

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
APPROVED
X APPROVED AS NOTED
RESUBMIT
REJECTED
4/23/69 SK

BLDG. B FLOORS - 44 (NORTH & SOUTH)
PANEL DR3N 20' x 57'-9"
BLDG. B FLOORS - 44 (EAST & WEST)

STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-48 1-6-69	PLATE
APPROVED FOR FABRICATION BY FOR P. O. N. Y. A.	DATE	DRAWN BY gdc DATE MARCH 26, 1969	
APPROVED FOR FABRICATION FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE MARCH 26, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP DR3N



				REF. DRWG.
FLOOR TRUSSES	[illegible]	[illegible]	[illegible] - 57'-9"	[illegible]
	T29N	2	C32T29N - 57'-9"	ST 229N
	T36N	1	C32T36N - 57'-9"	ST 236N
	T40N	2	C32T40N - 57'-9"	ST 240N
BRIDGING TRUSSES	T10J	1	24T10J - 19'-11"	ST 210J
	T10K	1	24T10K - 19'-11"	ST 210K
	T10L	1	24T10L - 19'-11"	ST 210L
	T16	1	24T16 - 19'-11"	ST 216
3" x 2" x ¼" ANGLE	A1	5	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-[illegible]	ST 403
	A3	2	3" x 2" x ¼" x 5'-[illegible]	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅜" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
	D	3	6" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-2	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
	CB4	6	1" ϕ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-5 & 11	7-24-68
7-AB3-58	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-24-68
7-AB4-42	10-15-68
SC-124	10-11-68
7-AB1-5	10-15-68
7-AB1-2 & 3	7-24-68

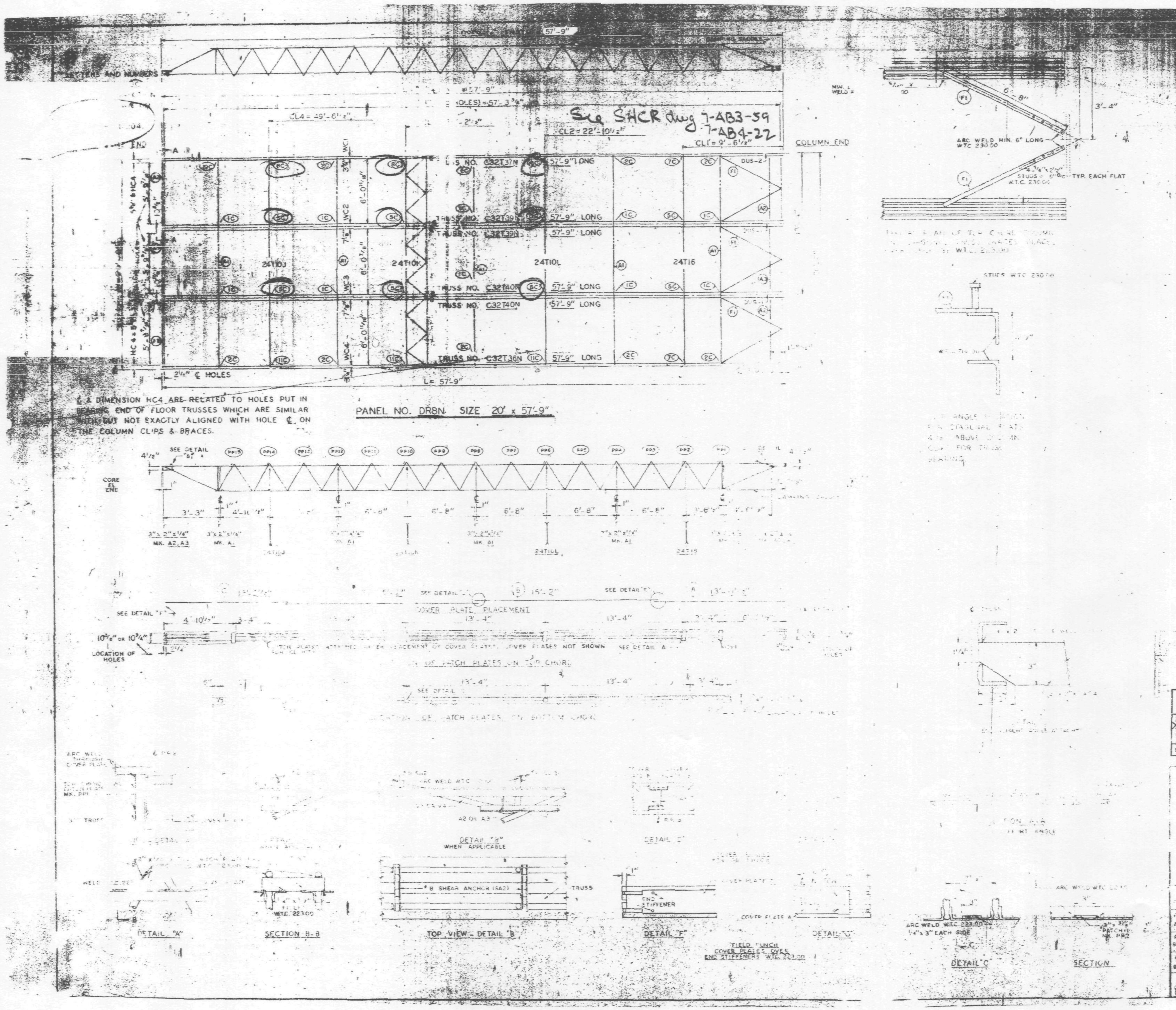
SKILLING-HELLE CHRISTIANSEN-ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 4/23/69 By [illegible]

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (SOUTH ONLY)
PANEL D8N - 20' x 57'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-58	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE	DRAWN BY: adc DATE MARCH 26, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE MARCH 26, 1969	IN CHARGE OF PROD. DEV.
[redacted] DETAILED BY: A CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP D8N



REQUIRED [illegible] MATERIAL	MK.	[illegible]	[illegible]	[illegible]
FLOOR TRUSSES	T36	[illegible]	[illegible]36 - 57'-9"	[illegible] 36N
	T37N	[illegible]	[illegible]T37N - 57'-9"	[illegible] 37N
	T39N	[illegible]	C32T39N - 57'-9"	[illegible] 39N
	T40N	[illegible]	C32T40N - 57'-9"	ST [illegible]40N
BRIDGING TRUSSES	T10J	1	24T10J - [illegible]'-11"	ST 210J
	T10K	1	24T10K - [illegible]'-11"	ST 210K
	T10L	1	24T10L - [illegible]'-11"	ST 210L
	T16	1	24T16 - [illegible]'-11"	ST 218
3"x 2"x ¼" ANGLE	A1	5	3" x 2" x [illegible] x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
DIAGONAL FLATS	F1	6	1½" x ⅝" x 8'-8"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2½"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6[illegible]"	ST 298
	DUS-2	1	3½" x 3½" x [illegible]" x 3'-6[illegible]"	ST 298
CONNECTION BAR	CB1	4	1" ϕ x [illegible] - 3"	ST 400
	CB4	6	1" ϕ x [illegible]-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ¾" x 8½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	[illegible]	4½" x .39" x 1'-0"	ST 400
	P4	3	6½" x 1½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-4"	ST 401

NOTES: 1) [illegible] WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET

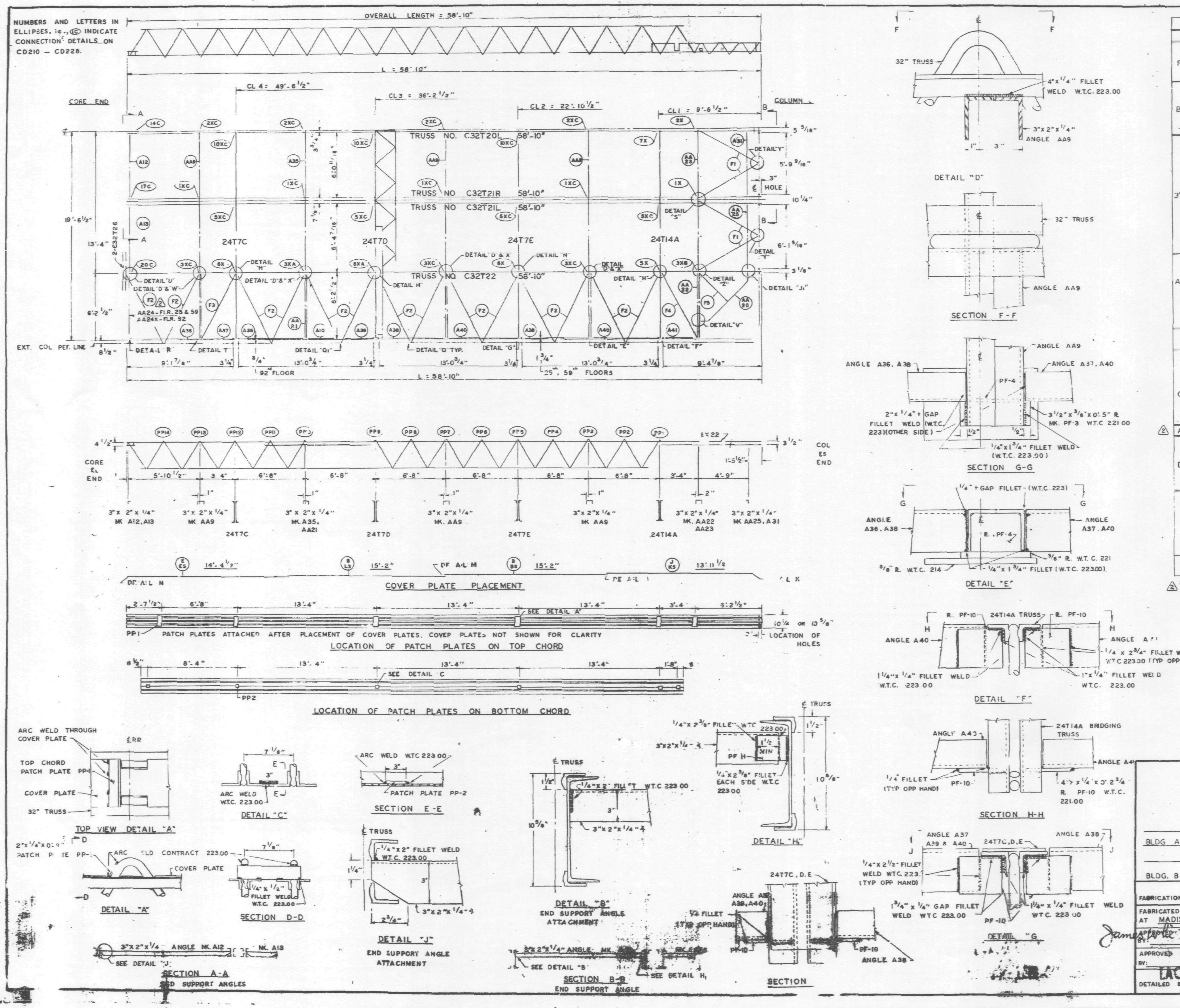
NO.	DATE	REVISION	BY

REF. DRWGS.	
7-AB2-5 & 11	7-22-68
7-AB3-59	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-5	10-15-68
7-AB1-2, 3 & 4	7-22-68

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 4/23/69 By SK

[illegible] PANEL DETAILS
[illegible]
[illegible] CENTER [illegible]
[illegible]
[illegible] NEW YORK [illegible] AUTHORITY
[illegible] 44 (SOUTH ONLY)
PANEL DR8N 20' x 57'-9"

[illegible] BY [illegible] LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-59
PLATE [illegible]
APPROVED FOR FABRICATION BY ____ FOR P.N.Y.A. DATE
DRAWN BY Q.A.C.
DATE MARCH 27, 1969
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA
DATE MARCH 27, 1969
IN CHARGE OF PROD. DIV.
DETAILED BY [illegible]
LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-DR8N



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG
FLOOR TRUSSES	T20L	1	C32T20L-58'-10"	ST 220L
	T21L	1	C32T21L-58'-10"	ST221L
	T21R	1	C32T21R-58'-10"	
	T22	1	C32T22-58'-10"	ST 222
BRIDGING TRUSSES	T7C	1	24T7C-19'-6"	BT207C
	T7D	1	24T7D-19'-6"	BT207D
	T7E	1	24T7E-19'-6"	BT207E
	T14A	1	24T14A-19'-6"	BT214A
3"x 2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x2'-7 15/16"	ST404
	A12	1	3"x2"x1/4"x5'-11 11/16"	ST404
	A13	1	3"x2"x1/4"x6'-3 7/16"	ST404
	A31	1	3"x2"x1/4"x5'-8 1/8"	ST410
	A36	1	3"x2"x1/4"x5'-11 1/2"	ST410
	A37	1	3"x2"x1/4"x2'-10"	ST410
	A38	3	3"x2"x1/4"x6'-4"	ST410
	A39	1	3"x2"x1/4"x2'-9"	ST410
	A40	2	3"x2"x1/4"x6'-2"	ST410
	A41	1	3"x2"x1/4"x2'-10 3/4"	ST410
	A35	1	3"x2"x1/4"x13'-3"	ST410
ANGLE ASSEMBLY *AA24 IS REPLACED BY AA24X ON FLR. 92. (2)	AA21	1	SEE REF. DRWG.	ST411
	AA22	1	SEE REF. DRWG	ST411
	AA23	1	SEE REF. DRWG.	ST411
	*AA24	1	SEE REF. DRWG.	ST412
	AA25	1	SEE REF. DRWG.	ST412
	AA26	1	SEE REF DRWG.	ST412
	AA9	3	SEE REF. DRWG.	ST404
PATCH PLATES	PP1	6	2"x1/4"x 0'-9"	ST400
	PP2	6	3"x3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x 0135"x 13'-11 1/2"	ST 303
	Ks	1	3 1/2"x 0135"x 13'-11 1/2"	ST 304
	B	2	9"x 0135"x 15'-2	ST 303
	Bs	1	3 1/2"x 0135"x 15'-2"	ST 303
	Ls	1	3 1/2 x.0135"x 15'-2"	ST304
	E	1	9" x .0135"x 14'-4 1/2"	ST303
	Es	1	3 1/2"x.0135"x 14'-4 1/2"	ST303
(2) ANGLE CLIPS**	C1	12	2"x1 1/2"x.25"x 6"	ST400
	C2	4	2 1/2"x1 1/2"x.25"x 6"	
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2 / F2R	7 / 7	1 1/2"x 5/8"x 6'-10 1/2"	ST 402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST 402
	F5	1	1 1/2"x 5/8"x 4'-4"	ST 402
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF 3	5	3 1/2"x 3/8"x 0'-5"	ST400
	PF-7	1	5"x 3/8"x 0'-4"	ST401
	PF 8	5	3 1/2"x 1/4"x 0'-2 7/8"	ST401
	PF-10	8	4 1/2"x 1/4"x 0'-2 3/4"	ST401
	PF-11	1	3"x 1/4"x 0'-2 3/8"	ST412
EXTENDED END	EX	1	SEE REF. DRWG	ST 222
	22			

(2) ** NUMBER OF PIECES OF MK. C1 & C2 WILL BE CORRECT AFTER FLOOR 32, TOWER A. PIECES FOR FLOORS 10-32 IS C1, NONE - C2, SIXTEEN (16).

NO.	DATE	REVISION	BY
(2)	7-1-69	AS NOTED	G.D.C.
(1)	2-5-69	GENERAL	G.D.C.

SEE SHEET FP-F2-2 FOR NOTES, REF DRWG & ADDITIONAL DETAILS

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

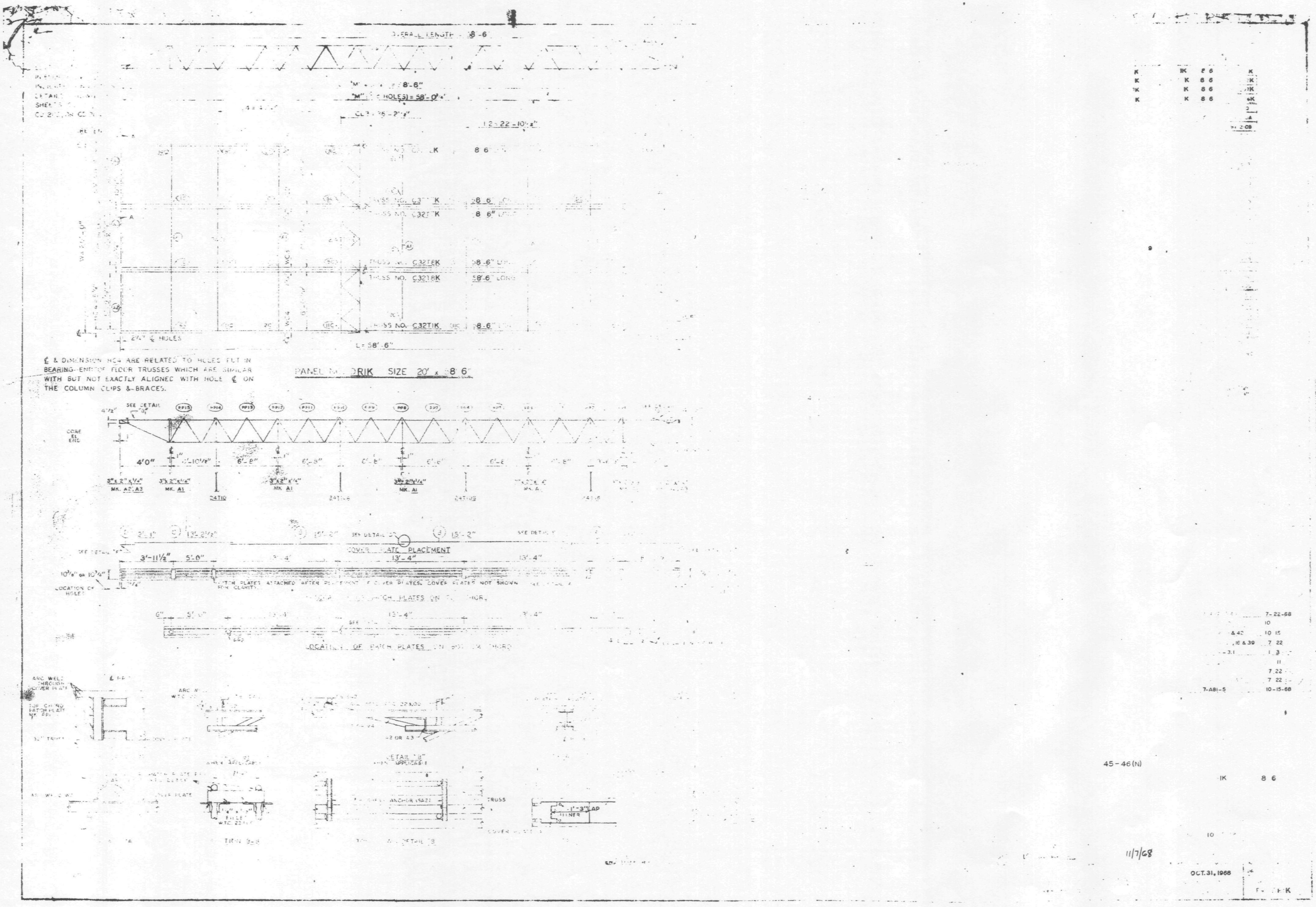
BLDG A FLOORS 25, 59 & 92 (NORTH & SOUTH)

PANEL F2 19'-6" x 58'-10"

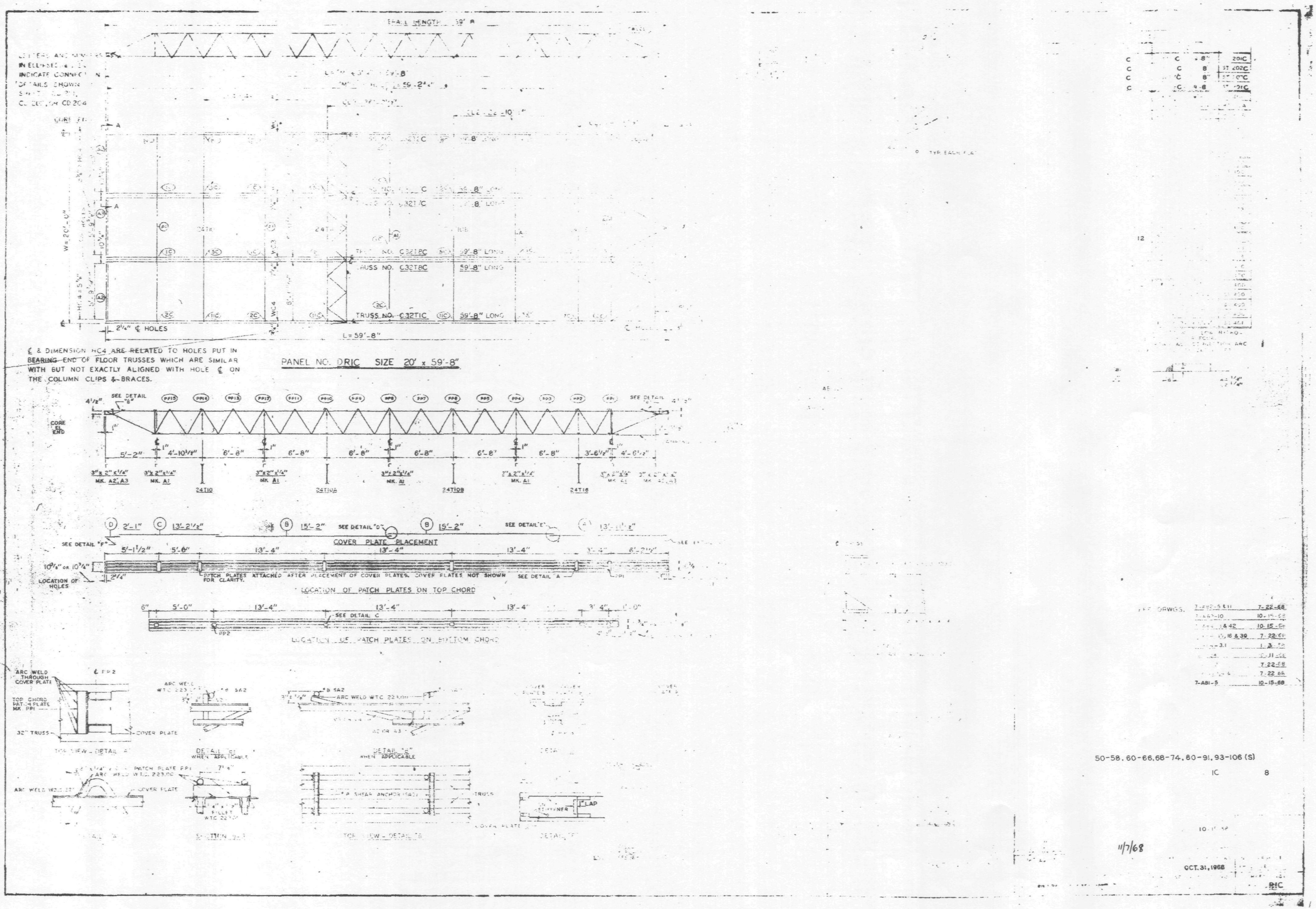
BLDG. B FLOORS 25, 59 & 92 (EAST & WEST) (2)

FABRICATION BY: LACLEDE STEEL COMPANY

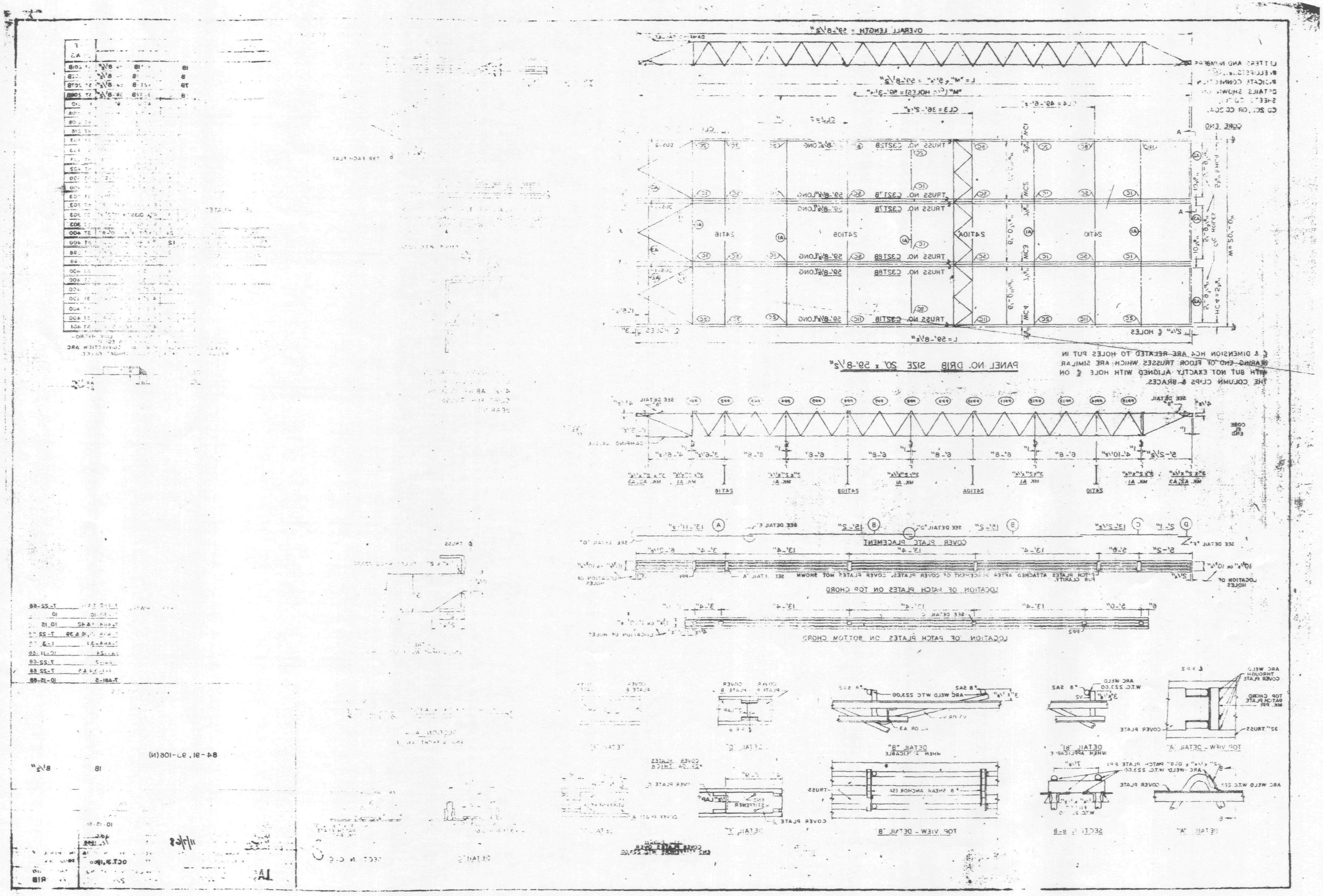
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-34	PLATE
APPROVED FOR FABRICATION BY: James [signature] FOR P.O.N.Y.A.	DATE 7/10/69	DRAWN BY: [initials] DATE DEC 3, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR LACLEDE STEEL CO.	DATE	CHECKED BY: T.M.CHURA DATE DEC 4, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F2



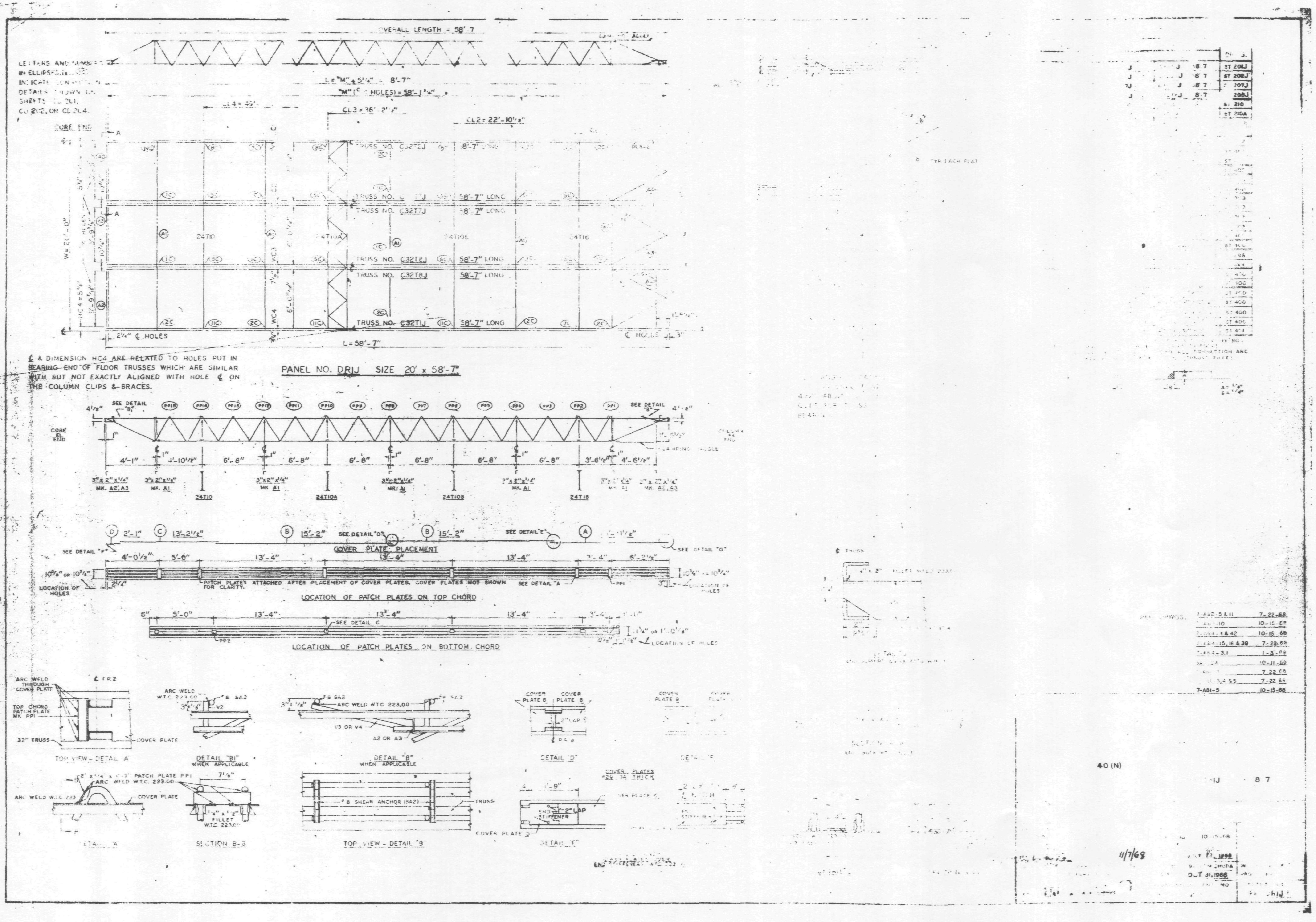
"M" (£ HOLES) = 58'-0¾"
TRUSS NO. C32TEK
TRUSS NO. C3218K
TRUSS NO. C32TIK
L = 58'-6"
2¼" £ HOLES
£ & DIMENSION "HC" ARE RELATED TO HOLES FLT IN BEARING-END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE £ ON THE COLUMN CLIPS & BRACES.
SIZE 20' x 58'-6"
CORE EL END
4'0"
6'-8"
MK. A2, A3
MK. A1
24T10
COVER PLATE PLACEMENT
3'-11½"
5'-0"
13'-4"
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON BOTTOM CHORD
ARC WELD THROUGH
TRUSS
1'-3" LAP
FILLER
45-46(N)
7-22-68
10-15-68
11/7/68
OCT. 31, 1968

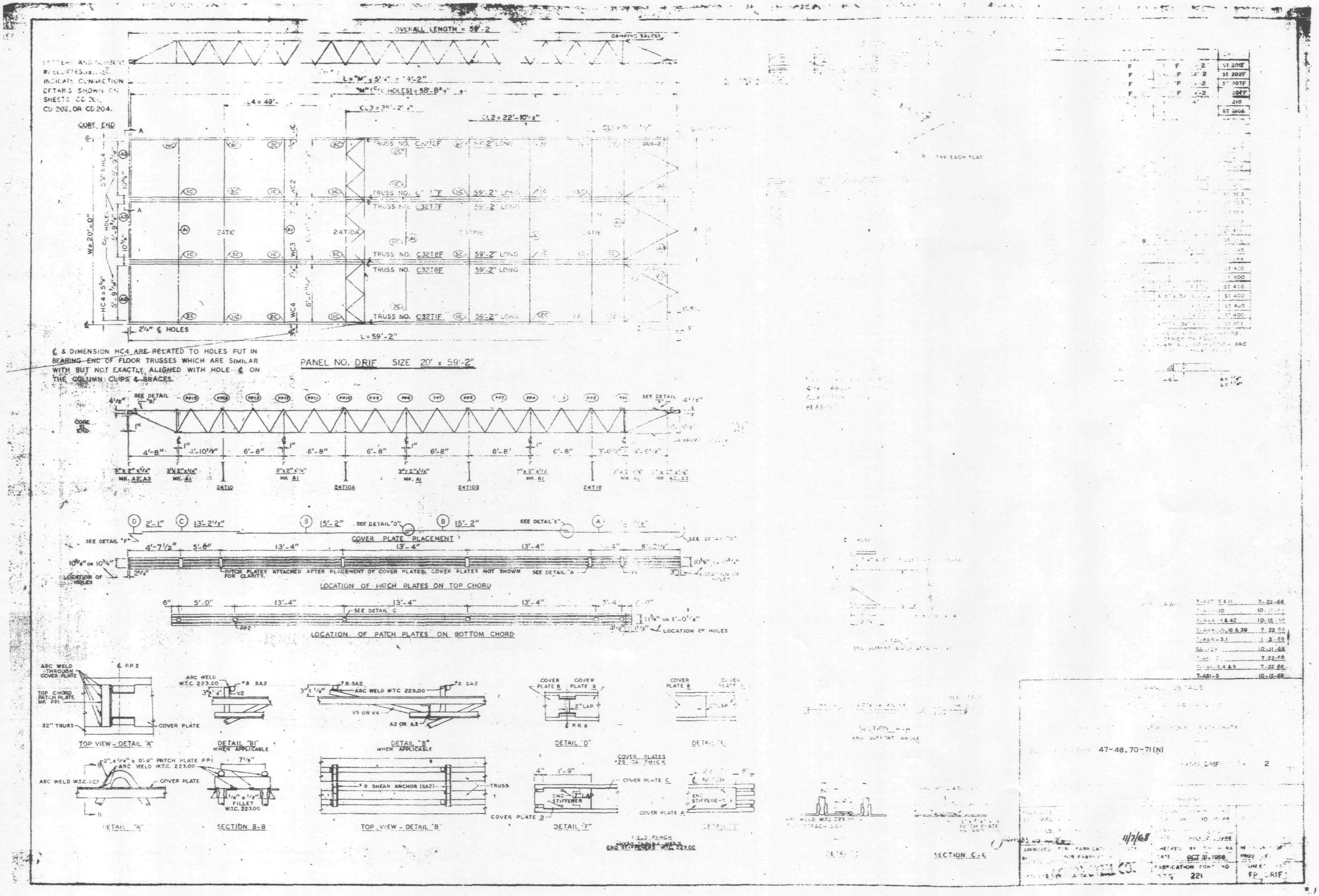


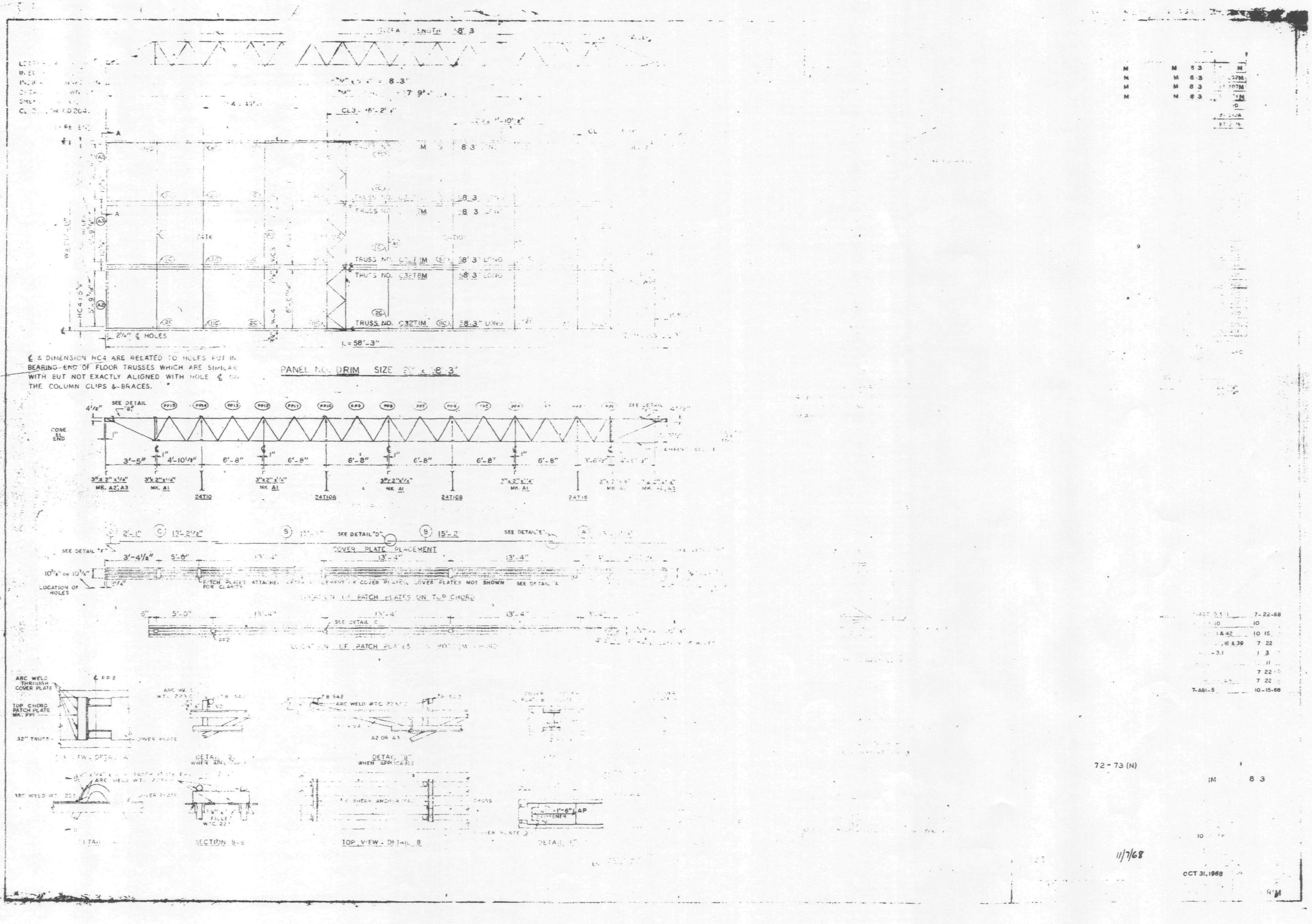
PANEL NO. DR1C SIZE 20' x 59'-8"
W=20'-0"
L=59'-8"
2¼" ℄ HOLES
TRUSS NO. C32T1C 59'-8" LONG
TRUSS NO. C32T8C 59'-8" LONG
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
SEE DETAIL "B"
SEE DETAIL
CORE END
5'-2"
4'-10¾"
6'-8"
3'-6½"
4'-6½"
3"x 2"x¼" MK. A2, A3
3"x 2"x¼" MK. A1
24T10
24T10A
24T10B
24T18
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
SEE DETAIL "F"
2'-1"
13'-2½"
15'-2"
5'-1½"
5'-6"
13'-4"
10⅞" or 10¾"
2¼"
LOCATION OF HOLES
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
SEE DETAIL A
LOCATION OF PATCH PLATES ON TOP CHORD
5'-0"
SEE DETAIL C
PP2
LOCATION OF PATCH PLATES ON BOTTOM CHORD
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK PP1
32" TRUSS
COVER PLATE
TOP VIEW - DETAIL "A"
DETAIL "D" WHEN APPLICABLE
DETAIL "E" WHEN APPLICABLE
ARC WELD W.T.C. 223.00
PATCH PLATE PP1
SHEAR ANCHOR
TRUSS
TOP VIEW - DETAIL "B"
DETAIL "F"
LAP
REF. DRWGS.
7-22-68
10-15-68
7-AB1-5
50-58, 60-66, 68-74, 80-91, 93-106 (S)
1C
8
11/7/68
OCT. 31, 1968



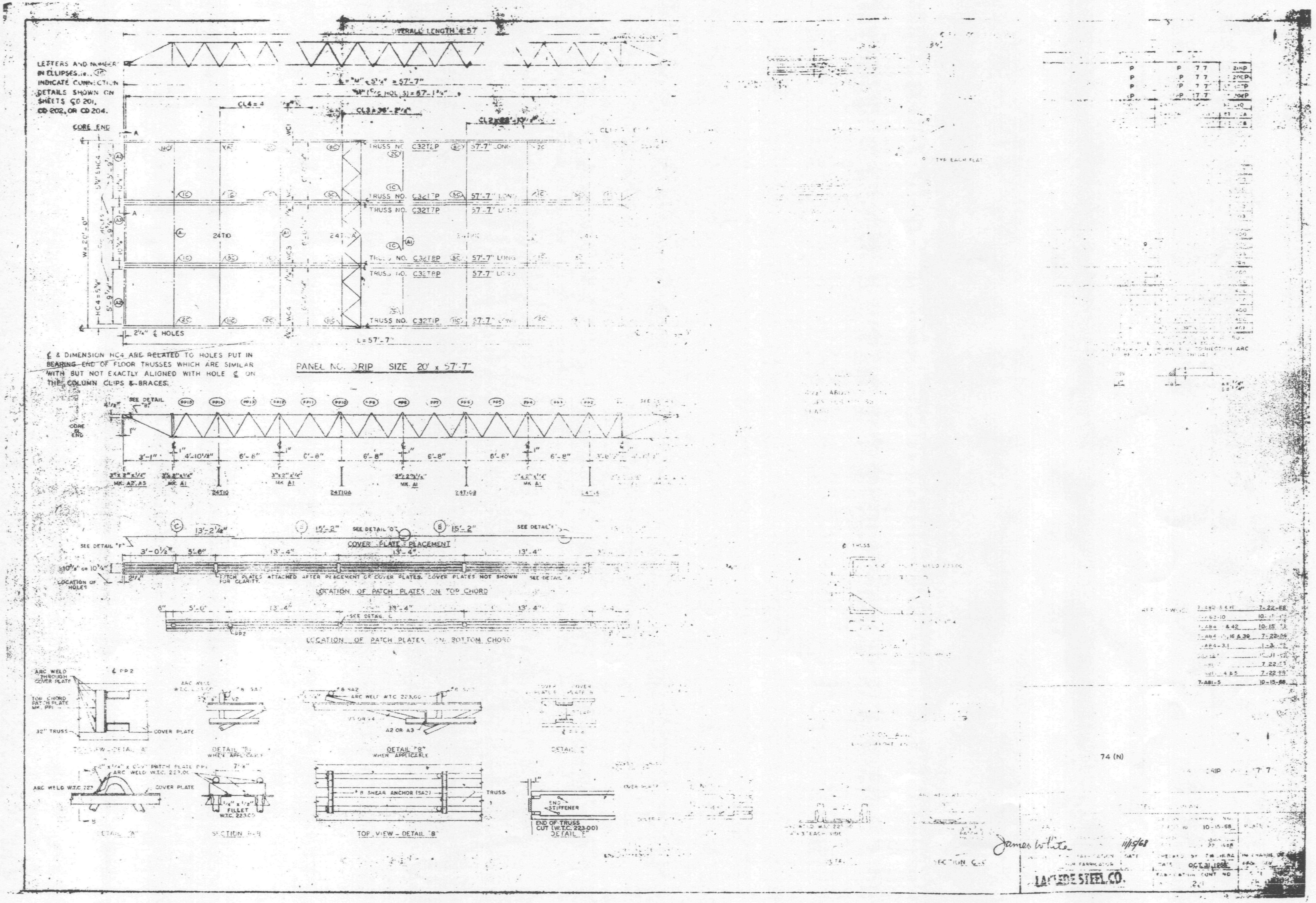
OVERALL LENGTH = 59'-8 1/2"
TRUSS NO. C32T8
PANEL NO. DR1B SIZE 20' x 59'-8 1/2"
C & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE C ON THE COLUMN CLIPS & BRACES.
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL "A"
DETAIL "B"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "A"
84-91, 93-106(N)

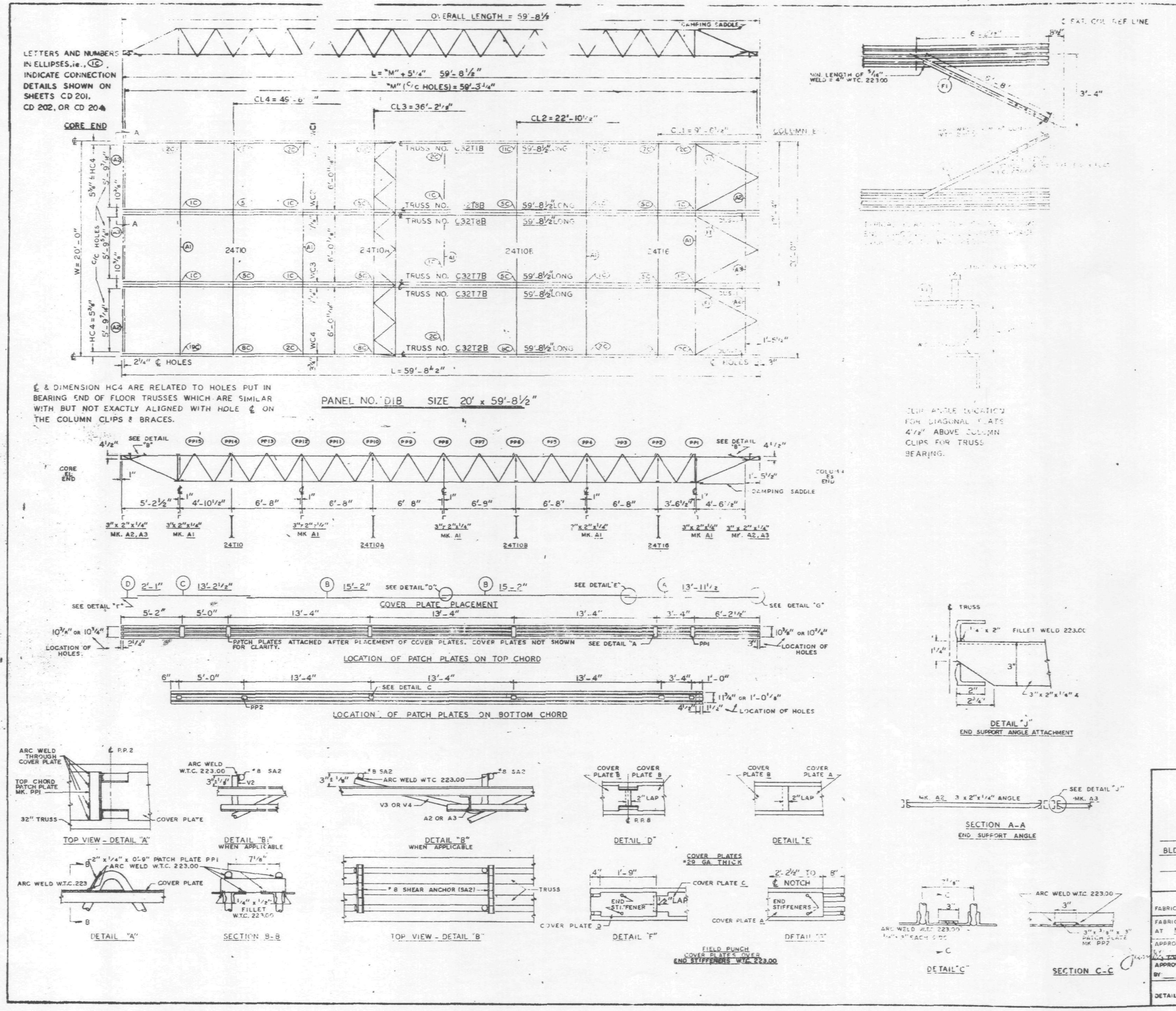

OVERALL LENGTH = 58'-7
CL3 = 36'-2 1/2"
CL2 = 22'-10 1/2"
TRUSS NO. C32T7J 58'-7" LONG
TRUSS NO. C32T8J 58'-7" LONG
TRUSS NO. C32T1J 58'-7" LONG
L = 58'-7"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DR1J SIZE 20' x 58'-7"
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL A
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
TOP VIEW - DETAIL "B"
DETAIL "F"
SECTION B-B
DETAIL A
40 (N)
11/7/68
OCT 31, 1968


OVERALL LENGTH = 59'-2
CORE END
TRUSS NO. C32T8F 59'-2" LONG
TRUSS NO. C32T1F 59'-2" LONG
W=20'-0"
L=59'-2"
2¼" ℄ HOLES
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DRIF SIZE 20' x 59'-2"
24T10
24T10A
24T10B
24T1B
COVER PLATE PLACEMENT
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
SECTION C-C
COVER PLATES #29 GA. THICK
ARC WELD W.T.C. 223.00
COVER PLATE
#8 SHEAR ANCHOR (SA2)
FIELD PUNCH
END STIFFENERS W.T.C. 223.00
47-48, 70-71(N)
7-AB1-5 10-15-68
OCT 31, 1968
221
11/7/68
FP DRIF



PANEL NO. DRIM SIZE
L = 58'-3"
2 1/4" ℄ HOLES
TRUSS NO. C32T1M 58'-3" LONG
TRUSS NO. C32TBM 58'-3" LONG
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
SEE DETAIL "B"
CORE END
3'-5"
4'-10 1/2"
6'-8"
24T10
24T10A
24T10B
24T15
MK. A1
MK. A2, A3
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
SEE DETAIL "F"
3'-4 1/2"
5'-6"
13'-4"
LOCATION OF HOLES
PATCH PLATES ATTACHED AFTER COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
5'-0"
SEE DETAIL "C"
LOCATION OF PATCH PLATES ON BOTTOM CHORD
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK. PP1
32" TRUSS
COVER PLATE
DETAIL "B" WHEN APPLICABLE
A2 OR A3
SECTION B-B
TOP VIEW - DETAIL B
1'-6" LAP
STIFFENER
DETAIL "E"
72 - 73 (N)
11/7/68
OCT 31, 1968
7-22-68
10-15-68
7-A81-5


OVERALL LENGTH ℄ 57'-7"
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204.
CORE END
TRUSS NO. C32T2P 57'-7" LONG
TRUSS NO. C32T1P 57'-7" LONG
TRUSS NO. C32T7P 57'-7" LONG
TRUSS NO. C32T8P 57'-7" LONG
TRUSS NO. C32T8P 57'-7" LONG
TRUSS NO. C32T1P 57'-7" LONG
24T10
2'-1/4" ℄ HOLES
L=57'-7"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DRIP SIZE 20' x 57'-7"
SEE DETAIL "B"
24T10
24T10A
COVER PLATE PLACEMENT
SEE DETAIL "F"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON TOP CHORD
LOCATION OF PATCH PLATES ON BOTTOM CHORD
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE
32" TRUSS
COVER PLATE
DETAIL "B" WHEN APPLICABLE
A2 OR A3
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
B SHEAR ANCHOR (SA2)
TRUSS
END STIFFENER
END OF TRUSS CUT (W.T.C. 223-00)
DETAIL "E"
SECTION C-C
74 (N)
James White 11/15/68
OCT. 31 1968
LACLEDE STEEL CO.



REQUIRED MATERIAL PER PANEL

MATERIAL	MK.	PCS	SIZE	DWG.
FLOOR TRUSSES	T1B	1	C32T1B - 59'-8½"	ST 201B
	T2B	1	C32T2B - 59'-8½"	ST 202B
	T7B	2	C32T7B - 59'-8½"	ST 207B
	T8B	2	C32T8B - 59'-8½"	ST 208B
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A	1	24T10A - 11"	ST 210A
	T10B	1	24T10[illegible] 3'-11"	ST 210B
	T16	1	[illegible] 5'-11"	[illegible]
[illegible] ANGLE	A1	5	[illegible] x 19'-11"	[illegible]
	A2	4	3" x [illegible]	ST [illegible]
	A3	2	3" x [illegible]	ST [illegible]
[illegible]	F	6	[illegible]	ST 40[illegible]
[illegible] PLATES	PP1	18	2" [illegible] x 0'-[illegible]	ST [illegible]
	PP2	16	[illegible] x 0'-3"	ST 40[illegible]
COVER PLATES	A	3	[illegible] 0.135" x 13'-11½"	ST 303
	B	5	9" x 0.135" x 15'-2"	ST 30[illegible]
	[illegible]	3	9" x 0.135" x 13'-2½"	ST 303
	D	3	9" x 0.135" x 2'-1"	ST 303
[illegible] CLIPS	C[illegible]	[illegible]4	2" x 1½" x ¼" x 0'-6"	ST 400
[illegible] SHEAR ANCHOR	SA[illegible]	12	#8 REBAR x 0'-9"	ST 400
[illegible] SADDLE	[illegible]	2	3½" x 2½" x ⅜" x 3'-6⅞"	ST 298
	[illegible]S-2	[illegible]	3½" x [illegible] x ⅜" x 3'-0⅞"	ST 299
[illegible] BAR	C[illegible]	4	1" Φ x 1'-3"	ST 400
	CB4	6	1" Φ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 40[illegible]
	P3	1	4½" x .39" x [illegible]-0"	ST 40[illegible]
	P4	3	6½" x 1½" x 0'-8"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

REF. DRWGS.

7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-3.1	1-3-68
7-AB4-15,16 & 39	7-22-68
7-AB4-42 & 3	10-15-68
SP-124	10-11-68
7-AB1-2,3 & 4	7-22-68
7-AB1-5	10-15-68

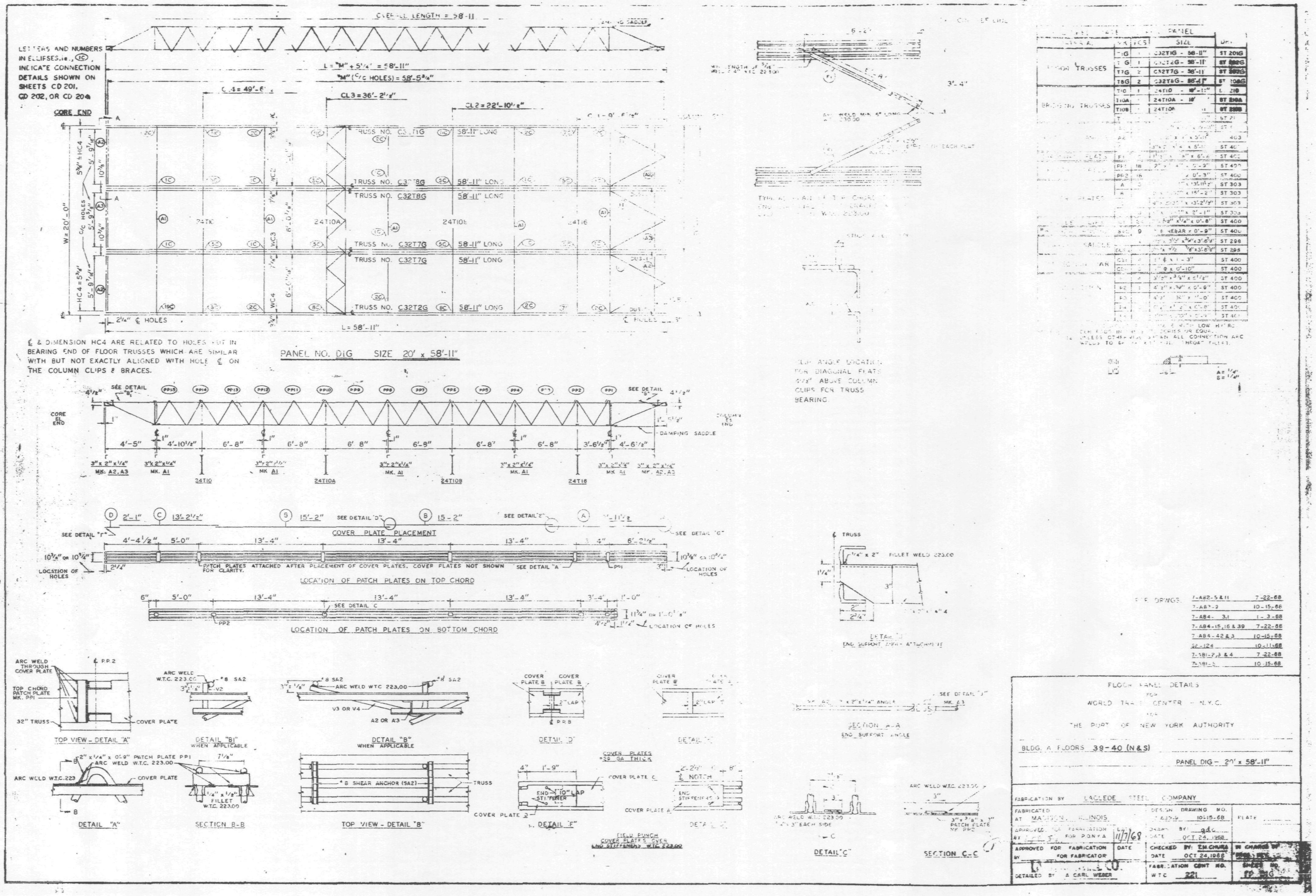
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)

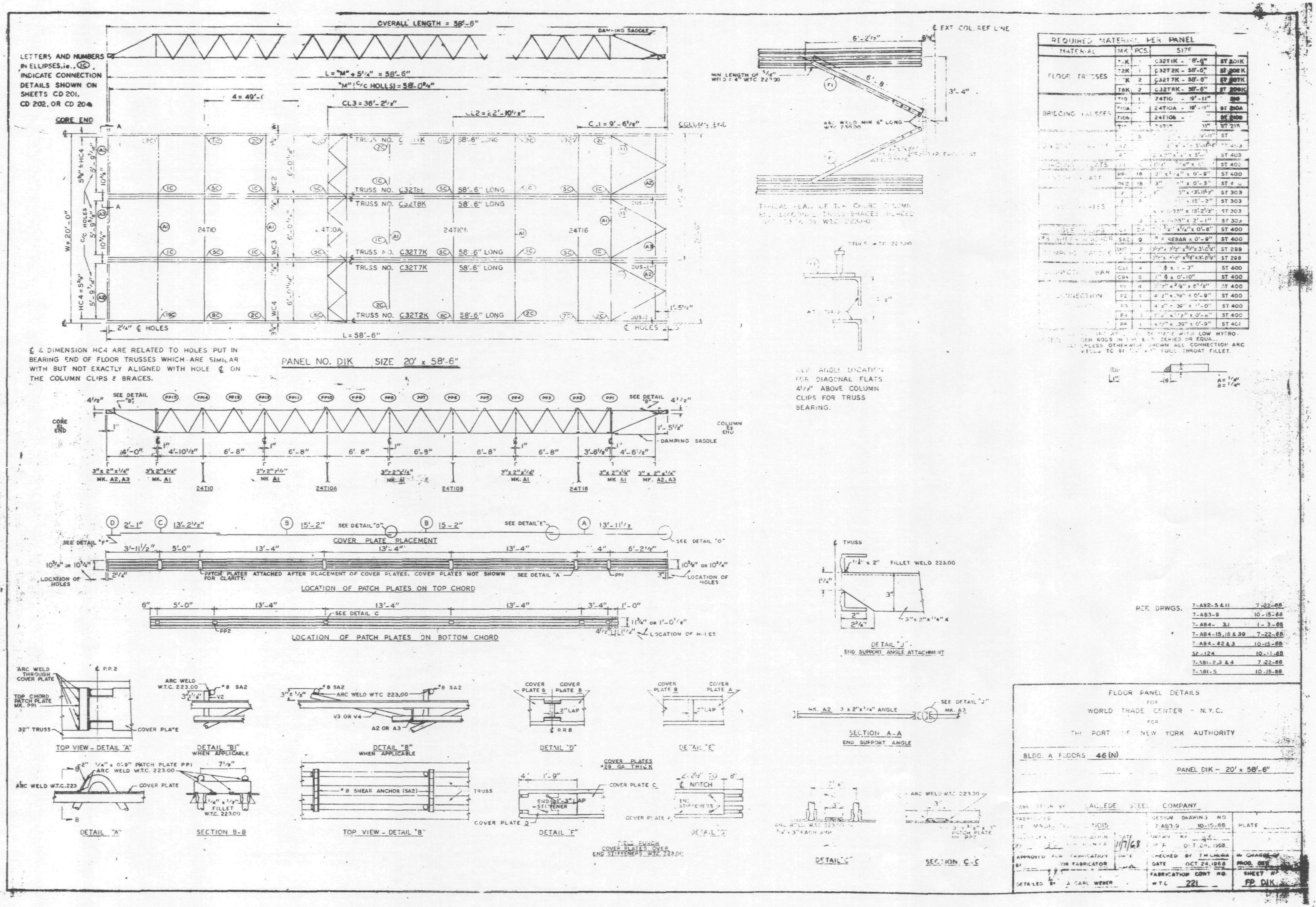
PANEL D1B - 20' x 59'-8½"

FABRICATION BY: LACLEDE STEEL COMPANY

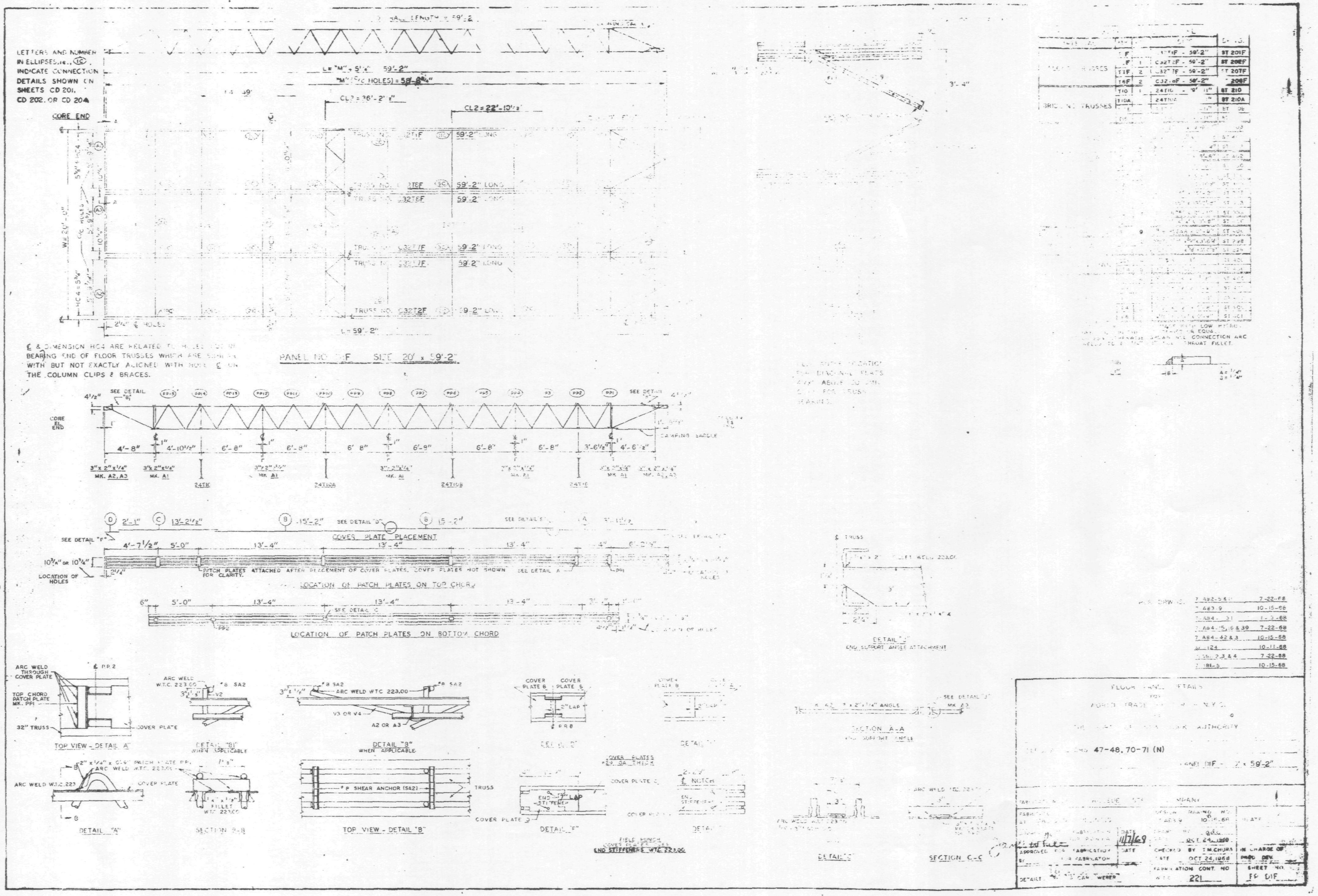
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-9 10-15-68	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. DATE 11/7/68	DRAWN BY adc DATE OCT 24, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR DATE	CHECKED BY: T.M.CHURA DATE OCT 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A CARL WEBER	FABRICATION CONT. NO. WTC 221	SHEET NO. FP-D1B

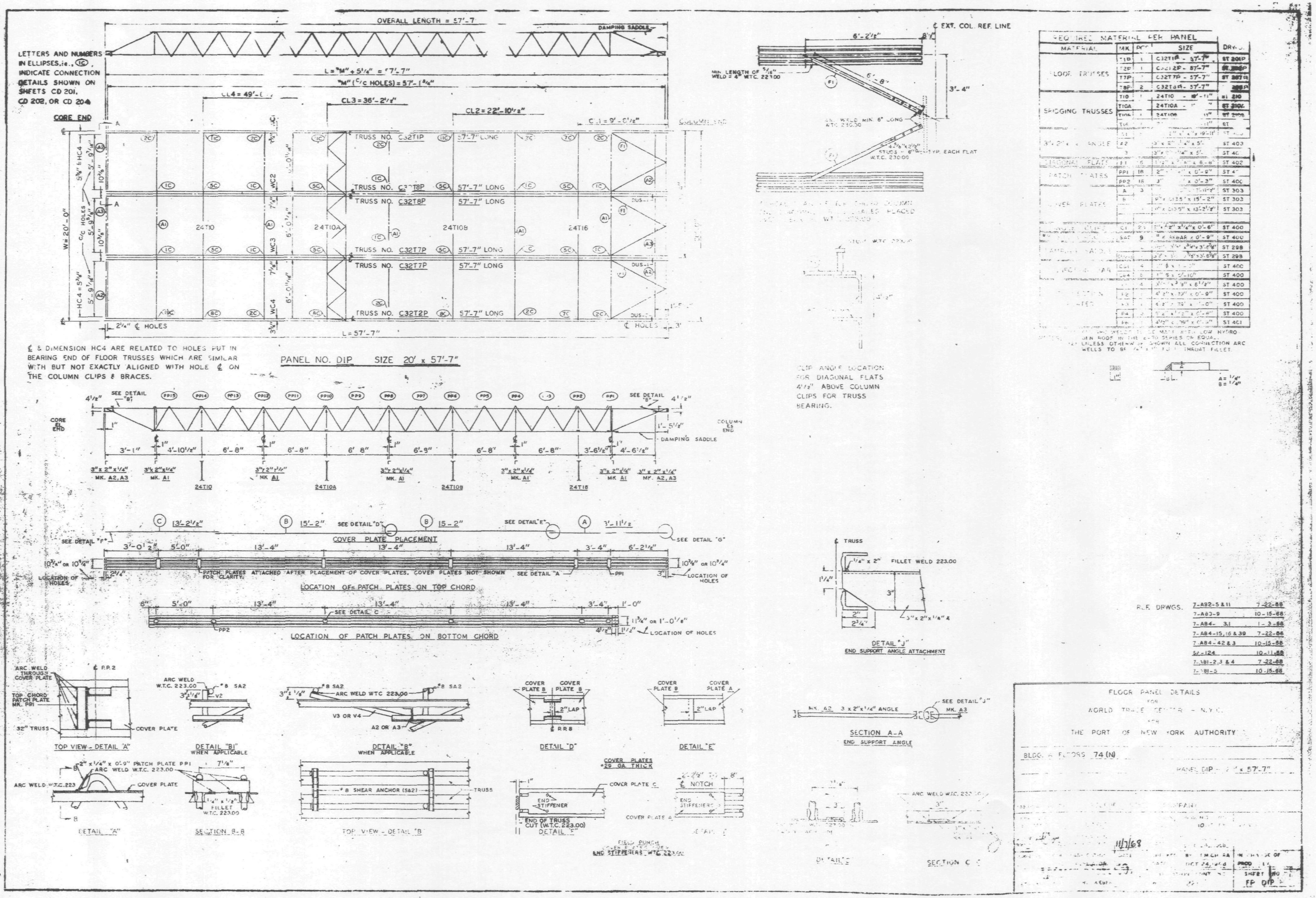


OVERALL LENGTH = 58'-11"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
L = "M" + 5 1/4" = 58'-11"
"M" (C/C HOLES) = 58'-5 3/4"
CL4 = 49'-6"
CL3 = 36'-2 1/8"
CL2 = 22'-10 1/8"
CORE END
TRUSS NO. C32T1G 58'-11" LONG
TRUSS NO. C32T8G 58'-11" LONG
TRUSS NO. C32T8G 58'-11" LONG
TRUSS NO. C32T7G 58'-11" LONG
TRUSS NO. C32T7G 58'-11" LONG
TRUSS NO. C32T2G 58'-11" LONG
24T10 24T10A 24T10B 24T16
W = 20'-0"
2 1/4" ℄ HOLES
L = 58'-11"
℄ & DIMENSION HC4 ARE RELATED TO HOLES FOR BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DIG SIZE 20' x 58'-11"
SEE DETAIL "B"
CORE END
COLUMN END
DAMPING SADDLE
4'-5" 4'-10 1/2" 6'-8" 6'-8" 6'-8" 6'-8" 6'-8" 6'-8" 3'-6 1/2" 4'-6 1/2"
3" x 2" x 1/4" MK. A2, A3
3" x 2" x 1/4" MK. A1
24T10 24T10A 24T10B 24T16
COVER PLATE PLACEMENT
2'-1" 13'-2 1/2" 15'-2" 15'-2"
4'-4 1/2" 5'-0" 13'-4" 13'-4" 13'-4" 6'-2 1/2"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF HOLES
LOCATION OF PATCH PLATES ON TOP CHORD
6" 5'-0" 13'-4" 13'-4" 13'-4" 3'-4" 1'-0"
LOCATION OF PATCH PLATES ON BOTTOM CHORD
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
FIELD PUNCH COVER PLATES OVER END STIFFENERS W.T.C. 223.00
DETAIL "C"
SECTION C-C
SECTION A-A END SUPPORT ANGLE
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
CLIP ANGLE LOCATION FOR DIAGONAL PLATE 4'-3" ABOVE COLUMN CLIPS FOR TRUSS BEARING
FLOOR TRUSSES
BRIDGING TRUSSES
C32T1G - 58'-11" ST 201G
C32T2G - 58'-11"
C32T7G - 58'-11"
C32T8G - 58'-11"
24T10 - 18'-11"
24T10A - 18'
REF. DRWGS.
7-AB2-5 & 11 7-22-68
7-AB4-15, 16 & 39 7-22-68
7-AB4-42 & 3 10-15-68
FLOOR PANEL DETAILS FOR WORLD TRADE CENTER - N.Y.C. FOR THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 39-40 (N&S)
PANEL DIG - 20' x 58'-11"
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 10-15-68
APPROVED FOR FABRICATION 11/7/68
DRAWN BY OCT. 24, 1968
CHECKED BY DATE OCT 24, 1968
APPROVED FOR FABRICATION FOR FABRICATOR
DETAILED BY A. CARL WEBER
FABRICATION CONT. NO. WTC 221

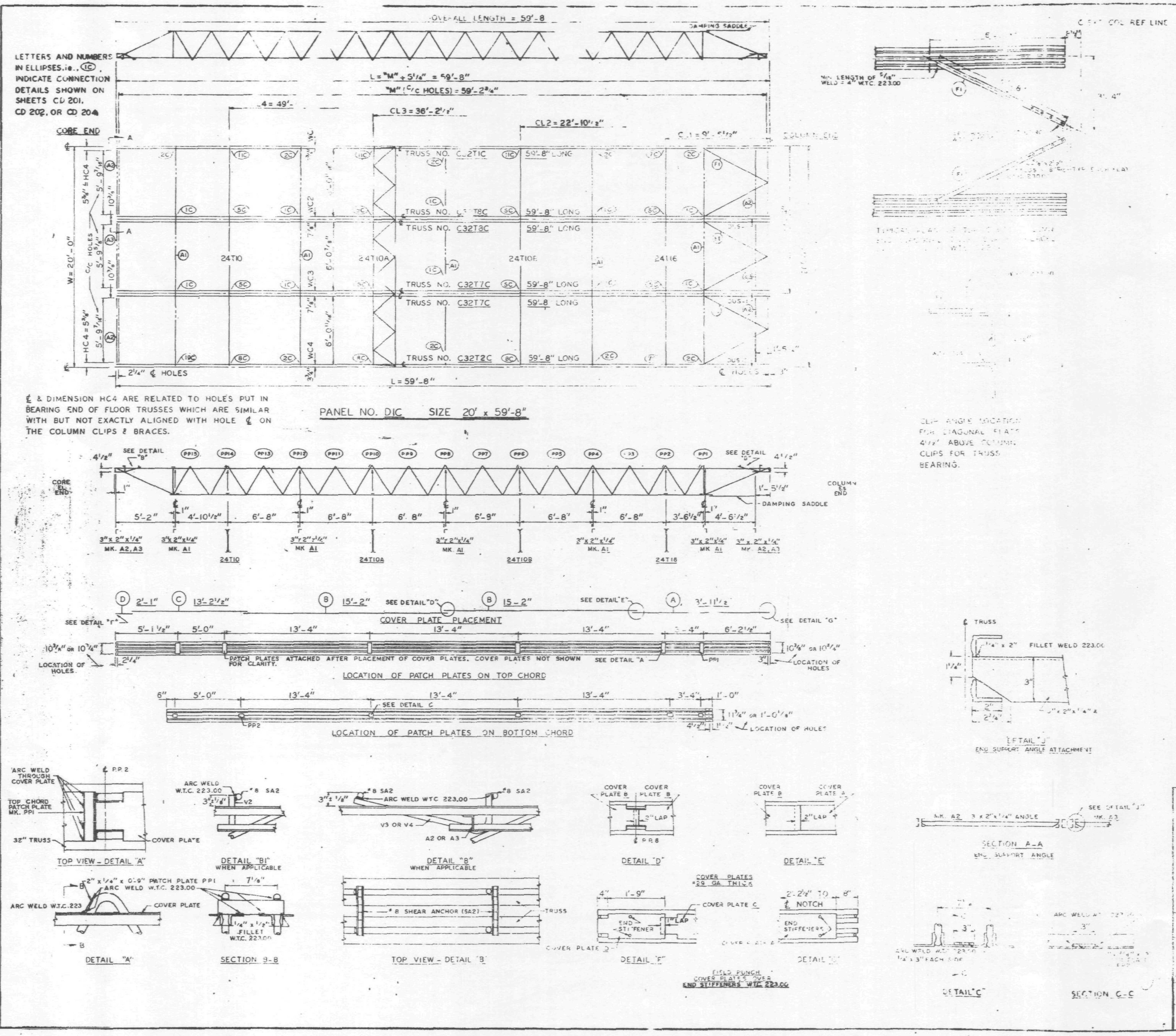


OVERALL LENGTH = 58'-6"
DAMPING SADDLE
LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C) INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
CORE END
COLUMN END
TRUSS NO. C32T8K 58'-6" LONG
TRUSS NO. C32T7K 58'-6" LONG
TRUSS NO. C32T2K 58'-6" LONG
24T10
24T10A
24T10B
24T16
L = 58'-6"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. DIK SIZE 20' x 58'-6"
DAMPING SADDLE
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON BOTTOM CHORD
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 7/8" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
DETAIL "J" END SUPPORT ANGLE ATTACHMENT
SECTION A-A END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "F"
DETAIL "G"
DETAIL "C"
SECTION C-C
REF. DRWGS.
7-AB4-15,16 & 39 7-22-68
7-AB4-42 & 3 10-15-68
SA-124 10-11-68
7-AB1-2,3 & 4 7-22-68
7-AB1-5 10-15-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 46 (N)
PANEL DIK - 20' x 58'-6"
LACLEDE STEEL COMPANY
DESIGN DRAWING NO 7-AB3-9 10-15-68
DATE OCT 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR
CHECKED BY
DATE OCT 24, 1968
DETAILED BY A CARL WEBER
FABRICATION CONT NO. WTC 221
SHEET NO. FP DIK


LETTERS AND NUMBER IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
CORE END
L = "M" + 5¼" 59'-2"
CL3 = 36'-2"
CL2 = 22'-10½"
TRUSS NO. C32T8F 59'-2" LONG
TRUSS NO. C32T6F 59'-2" LONG
TRUSS NO. C32T7F 59'-2" LONG
TRUSS NO. C32T2F 59'-2" LONG
L = 59'-2"
℄ & DIMENSION HC4 ARE RELATED TO HOLES FOR BEARING END OF FLOOR TRUSSES WHICH ARE WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D1F SIZE 20' x 59'-2"
SEE DETAIL "B"
CORE EL END
4'-8" 4'-10½" 6'-8" 6'-8" 6'-8" 6'-9" 6'-8" 6'-8" 3'-6½" 4'-6½"
3" x 2" x 1/4" MK. A2, A3
3" x 2" x 1/4" MK. A1
24T10
24T10A
24T10B
CAMPING SADDLE
2'-1" 13'-2½" 15'-2" 15'-2"
SEE DETAIL "D"
COVER PLATE PLACEMENT
SEE DETAIL "F"
4'-7½" 5'-0" 13'-4" 13'-4" 13'-4"
10¾" or 10¼"
LOCATION OF HOLES
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON TOP CHORD
6" 5'-0" 13'-4" 13'-4" 13'-4"
SEE DETAIL "C"
PP2
LOCATION OF PATCH PLATES ON BOTTOM CHORD
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK. PP1
32" TRUSS
COVER PLATE
TOP VIEW - DETAIL "A"
ARC WELD W.T.C. 223.00
DETAIL "B" WHEN APPLICABLE
ARC WELD W.T.C. 223.00
V3 OR V4
A2 OR A3
DETAIL "B" WHEN APPLICABLE
COVER PLATE B
COVER PLATE S
2" LAP
PP8
DETAIL "D"
DETAIL "A"
SECTION B-B
FILLET W.T.C. 223.00
SHEAR ANCHOR (SA2)
TRUSS
TOP VIEW - DETAIL "B"
COVER PLATES
COVER PLATE D
END STIFFENER
DETAIL "F"
FIELD PUNCH COVER PLATES
END STIFFENERS W.T.C. 223.00
℄ NOTCH
DETAIL "C"
SECTION C-C
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
SECTION A-A
3'-4"
FLOOR TRUSSES
BRIDGING TRUSSES
C32T2F - 59'-2" ST 202F
C32T7F - 59'-2" ST 207F
C32T8F - 59'-2" 208F
24T10 ST 210
24T10A ST 210A
ST 201F
7-A84-15,16 & 39 7-22-68
7-A84-42 & 3 10-15-68
10-11-68
2,3 & 4 7-22-68
10-15-68
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY
47-48, 70-71 (N)
PANEL D1F - 20' x 59'-2"
DATE 11/7/69
APPROVED FOR FABRICATION
FOR FABRICATOR
CHECKED BY T.M. CHURA
DATE OCT 24, 1968
OCT 24, 1968
FABRICATION CONT. NO 221
IN CHARGE OF PROD. DEV.
SHEET NO. FP D1F
DETAILED BY CARL WEBER



LETTERS AND NUMBERS IN ELLIPSES, i.e., (1C), INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 202, OR CD 204
OVERALL LENGTH = 57'-7"
DAMPING SADDLE
CORE END
TRUSS NO. C32T1P 57'-7" LONG
TRUSS NO. C32T8P 57'-7" LONG
TRUSS NO. C32T7P 57'-7" LONG
TRUSS NO. C32T2P 57'-7" LONG
24T10
24T10A
24T10B
24T16
W= 20'-0"
L = 57'-7"
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.
PANEL NO. D1P SIZE 20' x 57'-7"
EXT. COL. REF. LINE
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
REQUIRED MATERIAL PER PANEL
FLOOR TRUSSES
BRIDGING TRUSSES
DIAGONAL FLATS
PATCH PLATES
COVER PLATES
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.
LOCATION OF PATCH PLATES ON BOTTOM CHORD
LOCATION OF HOLES
DETAIL "J"
END SUPPORT ANGLE ATTACHMENT
FILLET WELD 223.00
SECTION A-A
END SUPPORT ANGLE
TOP VIEW - DETAIL "A"
DETAIL "B1" WHEN APPLICABLE
DETAIL "B" WHEN APPLICABLE
DETAIL "D"
DETAIL "E"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
DETAIL "C"
COVER PLATES #29 GA THICK
#8 SHEAR ANCHOR (SA2)
SECTION C-C
RE. DRWGS.
FLOOR PANEL DETAILS
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOORS 74 (N)
PANEL D1P
11/7/68
FP D1P



REQUIRED MATERIAL PER PANEL				DRWGS.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	T1C	1	C32T1C - 59'-8"	ST 201C
	T2C	1	C32T2C - 59'-8"	ST 202C
	T7C	2	C32T7C - 59'-8"	ST 207C
	T8C	2	C32T8C - 59'-8"	ST 208C
BRIDGING TRUSSES	T10	1	24T10 - 19'-11"	ST 210
	T10A		24T10A - " "	ST 210A
	T10B	1	24T10B [illegible] 11"	ST 210B
	T16	1	24T16 [illegible] -11"	ST [illegible]
3" x 2" x 1/4" ANGLE	A1	[illegible]	[illegible] x 2" x 1/4" x 19'-11"	ST 403
	A2	[illegible]	3" x 2" x 1/4" x 5'-[illegible]	ST 403
	A3	[illegible]	3" x 2" x 1/4" x 5'-[illegible]	ST 40[illegible]
DIAGONAL FLAT	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x [illegible] x 0'-9"	ST 4[illegible]
	PP2	15	3" [illegible] x 0'-3"	ST 400
COVER PLATES	A	3	[illegible] .035" x 13'-11 1/2"	ST 303
	B		9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
#8 SHEAR ANCHOR	SA2	12	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	[illegible]	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-2	1	3 1/2" x 3 1/2 x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	4	1" Φ x 1-3"	ST 400
	CB4	6	1" Φ x 0'-10"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 8 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401

NOTES:
(1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

P.E. DRWGS.	
7-AB2-5 & 11	7-22-68
7-AB3-9	10-15-68
7-AB4-31	1-3-68
7-AB4-15,16 & 39	7-22-68
7-AB4-42 & 3	10-15-68
S7-124	10-11-68
7-AB1-2,3 & 4	7-22-68
7-AB1-5	10-15-68

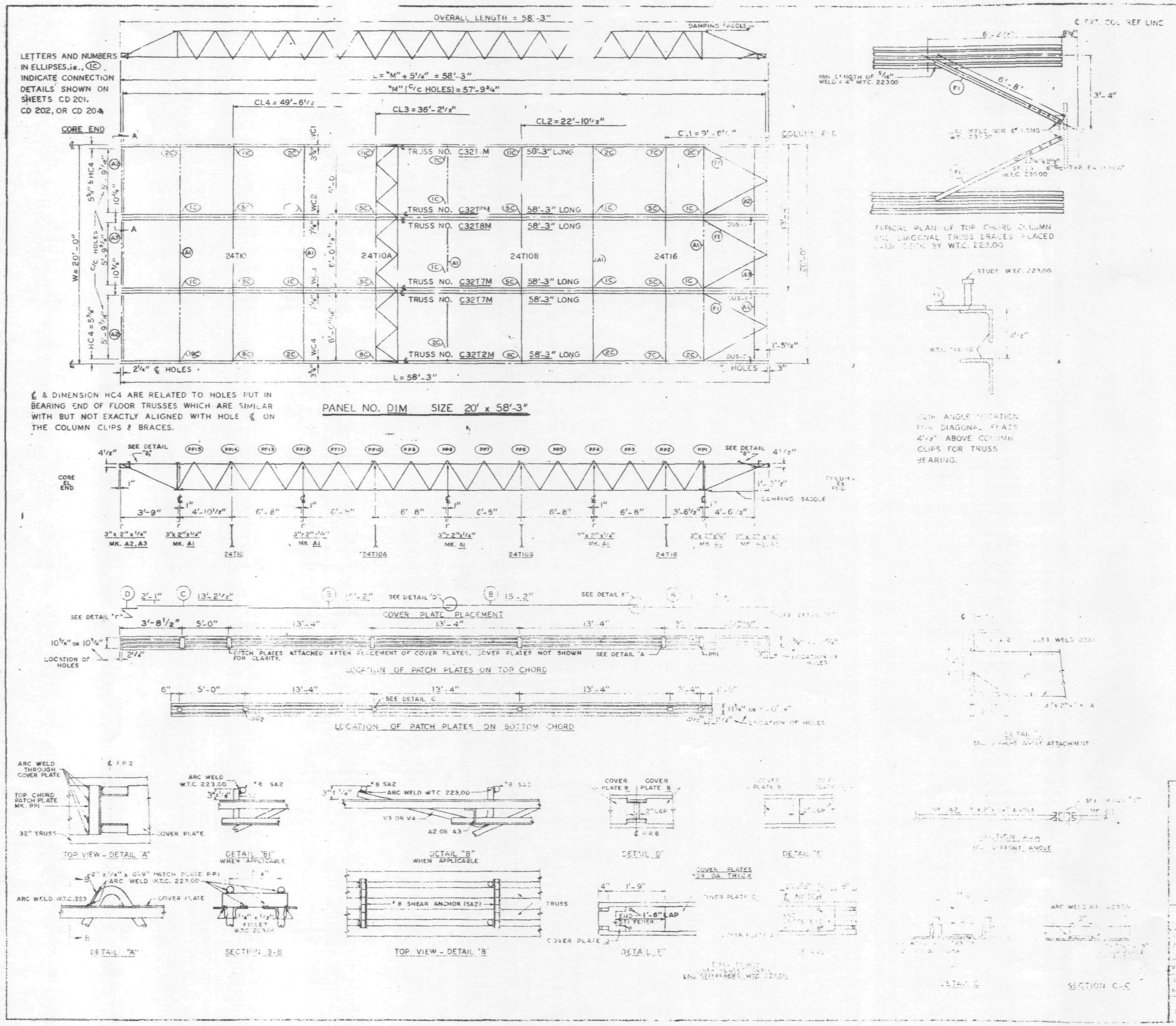
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91 & 93-106 (S)

PANEL DIC - 20' x 59'-8"

[illegible] BY PACIFIC STEEL COMPANY

DESIGN DRAWING NO. 7-AB3-9 10-15-68 | PLATE
APPROVED FOR FABRICATION FOR PONYA | DATE 11/7/69 | DRAWN BY [illegible] DATE OCT 24, 1968
APPROVED FOR FABRICATION BY FOR FABRICATOR | DATE | CHECKED BY T.M. CHURA DATE OCT 24, 1968 | IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER | FABRICATION CONT. NO. W.T.C. 221 | SHEET NO. FP DIC



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T1M	1	C32T1M - 58'-3"	ST 201M
	T2M	1	C32T2M - 58'-3"	ST 202M
	T7M	2	C32T7M - 58'-3"	ST 207M
	T8M	2	C32T8M - 58'-3"	ST 2[illegible]8M
BRIDGING TRUSSES	T10	1	24T10 - 18'-11"	ST 210
	T10A	1	24T10A - 19'-[illegible]	ST 210A
	T10B	1	24T10B - 19[illegible]	ST 210B
	T16	[illegible]	24T[illegible]	ST 216
[illegible] ANGLE	A1	5	[illegible] x ¼" x 9'-11"	ST 40[illegible]
	A2	4	[illegible] x 2" x ¼" x 5'-1[illegible]	[illegible]403
	A3	2	3" x 2" x ¼" x 5'-1[illegible]	[illegible]T 403
[illegible] FLATS	F1	[illegible]	1½" x ⅝" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x ¼" x [illegible]'-6"	ST 400
	PP2	15	[illegible]	ST 400
COVER PLATES	A	3	9" [illegible]	ST 303
	B	2	[illegible] x .0135" x 15'-2"	ST 303
	[illegible]	[illegible]	9" x .0135" x 13'-2½"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
ANGLE CLIPS	C1	24	2" x 1½" x ¼" x 0'-8"	ST 400
#8 SHEAR ANCHOR	SA2	9	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	D[illegible]	[illegible]	3½" x 3½" x [illegible] x 3'-6⅞"	ST 298
	DUS-2	[illegible]	3½" x 3½" x [illegible] x 3'-6⅞"	ST 298
[illegible] BAR	CS1	[illegible]	1" ⌀ x 1'-3"	ST 400
	CS4	6	1" ⌀ x 0'-10"	ST 400
[illegible] PLATES	P1	4	3½" x ⅜" x 6½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x [illegible]'-0"	ST 400
	P4	3	6½" x ½" x 0'-8"	ST 400
	P6	[illegible]	4½" x .39" x 0'-9"	ST 401

NOTES: (1) ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

[illegible] DRAWINGS	
[illegible] AB2-5 & 11	7-22-68
[illegible]-AB3-[illegible]	10-15-68
[illegible]-AB4-[illegible]	[illegible]-68
[illegible]-AB4-15, 16 & 39	7-22-68
[illegible] AB4-42 & 3	10-15-68
[illegible]	10-11-68
[illegible] AB1-2, 3 & 4	7-22-68
[illegible] AB1-5	10-15-68

FLOOR PANEL DETAILS

N.Y.

THE PORT OF NEW YORK AUTHORITY

BLDG. [illegible] 72-73 (N)

PANEL DIM - 20' x 58'-3"

[illegible] COMPANY

DRAWING NO.

10-15-68

11/7/68

OCT 24, 1968

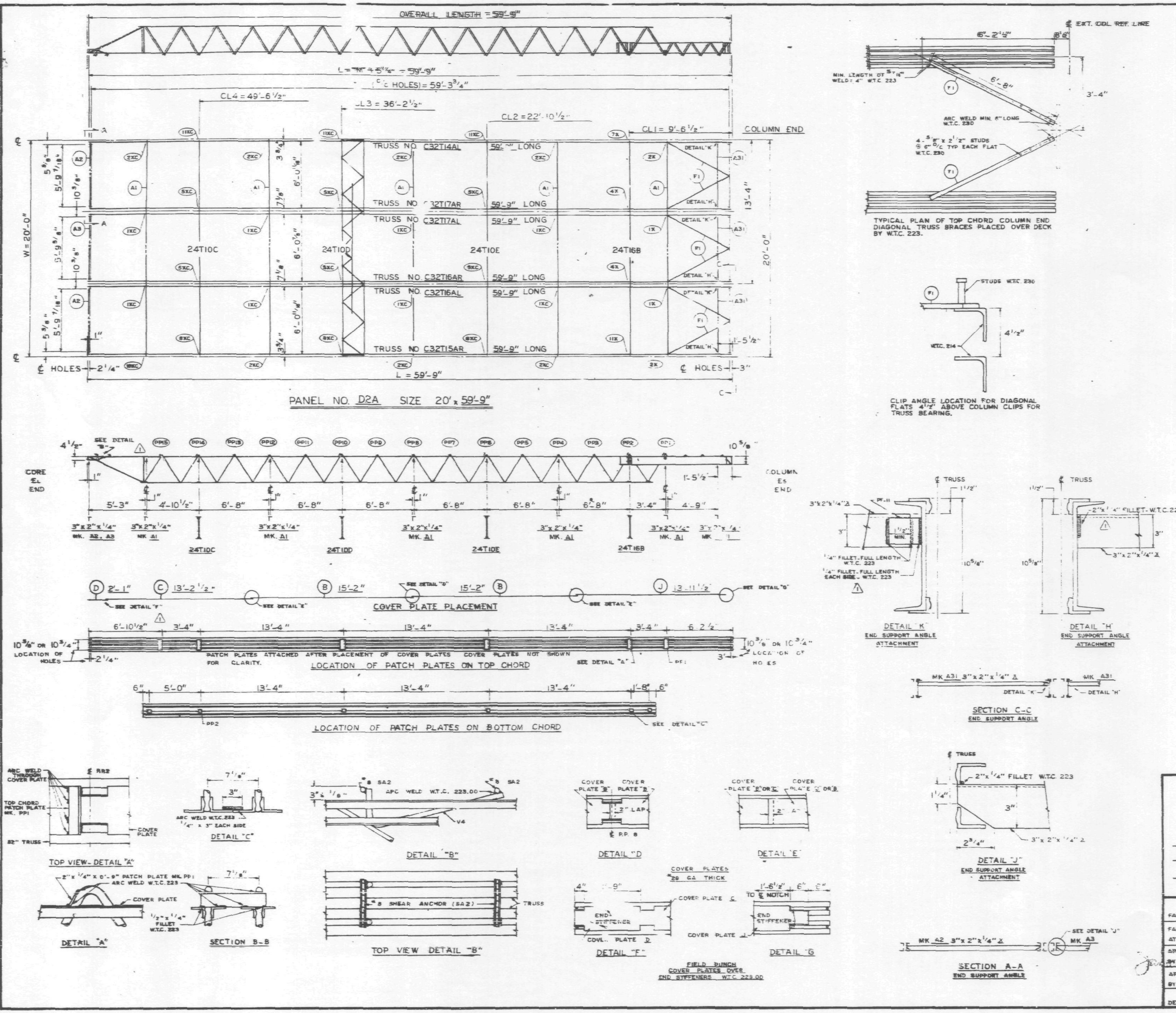
CHECKED BY T. MICHURA

DATE OCT 24, 1968

FABRICATION CONT. NO.

221

FP DIM



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T14AL	1	C32T14AL x 59'-9"	ST 214AL
	T15AR	1	C32T15AR x 59'-9"	ST [illegible]AL
	T16AL	1	C32T16AL x 59'-9"	[illegible]6AL
	T16AR	1	C32T16AR x 59'-9"	
	T17AL	1	C32T17AL x 59'-9"	ST 217AL
	T17AR	1	C32T17AR x [illegible]	
BRIDGING TRUSSES	T10C	1	24T10C [illegible]	BT 210C
	T10D	1	24T[illegible] x 19'-11"	BT 210[illegible]
	T10E	1	24T10E x 19'-11"	BT 210E
	T16B		24T16B x 19'-11"	BT 216B
3"x 2"x 1/4" ANGLE	A1	5	3"x2"x1/4"x19'-[illegible]	ST 403
	A2	2	3"x 2"x 1/4"x5'-[illegible]	ST 403
	A3	1	3"x 2"x 1/4"x5'-11 3/4"	ST 403
	A31	3	3"x [illegible] 1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	15	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	C	3	9"x .0135" x 13'-2 1/2"	ST 303
	D	3	9"x .0135" x 2'-1"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" Ø x 1'-3"	ST 400
	CB4	6	1" Ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	
1	2-4-69	AS NOTED	SDC

REF. DRWG.

7-AB3-30	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

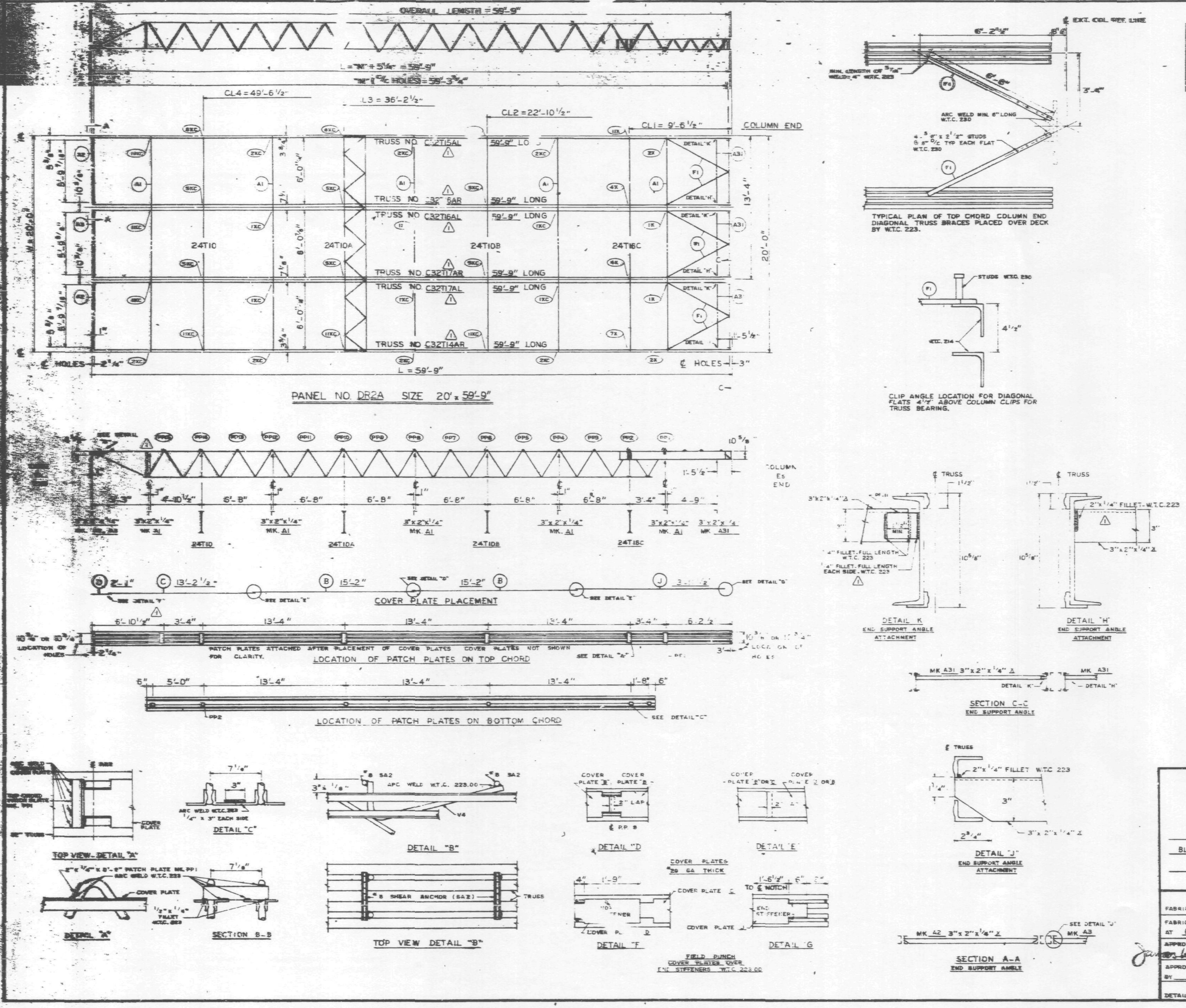
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL D2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-30	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 2/28/69	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE	CHECKED BY T.N. CHUBA DATE DEC. 5, 1968	IN CHARGE OF PROD. [illegible]
DETAIL [illegible]		FABRICATION CONT NO W.T.C. 221	SHEET NO FP D2A



REQUIRED MATERIAL PER PANEL				REF. DWG.
MATERIAL	MK	PCS.	SIZE	
FLOOR TRUSSES (⚠ II)	[illegible]	[illegible]	[illegible]	[illegible]
	TIO	1	24TIO x 19'-11"	BT 210C
BRIDGING TRUSSES	TIOA	1	24TIOA x [illegible]'-11"	BT 210D
	TIOB	1	24TIOB x 19'-11"	BT 210E
	TI6C	1	[illegible] TI6C x 19'-11"	BT [illegible]
3" x 2" x 1/4" ANGLE	A1	5	3"x2"x1/4"x 19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11 9/16"	ST 403
	A3	1	3"x2"x1/4"x [illegible] 3/4"	ST 403
	A31	3	3"x2"x1/4" [illegible] -8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-[illegible]"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 13'-2 1/2"	ST 303
	D	3	9" x .0135" x 2'-1"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
ANGLE CLIPS	C1	24	2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	5	1" ø x 1'-3"	ST 400
	CB4	6	1" ø x 0'-10"	ST 400
CONNECTION PLATES	P1	3	3 1/2" x 3/8" x 0'-8 1/2"	ST 400
	P2	1	4 1/2" x .38" x 0'-9"	ST 400
	P4	3	6 1/2" x 1/2" x 0'-8"	ST 400
	P8	1	4 1/2" x .38" x 0'-9"	ST 401
	P9	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 58 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.

NO.	DATE	REVISION
⚠	2-4-69	AS NOTED

REF. DRWG.

7-AB3-31	10-4-68
7-AB4-28	7-22-68
7-AB1-13	10-4-68
7-AB1-14, 15 & 16	10-4-68
7-AB2-13	10-4-68
7-AB2-17	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL DR2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO. 7-AB3-31

APPROVED FOR FABRICATION FOR P.O.N.Y.A — DATE 2/28/69

DRAWN BY [illegible] DATE DEC. 5, 1968

APPROVED FOR FABRICATION BY ______ FOR FABRICATOR — DATE ______

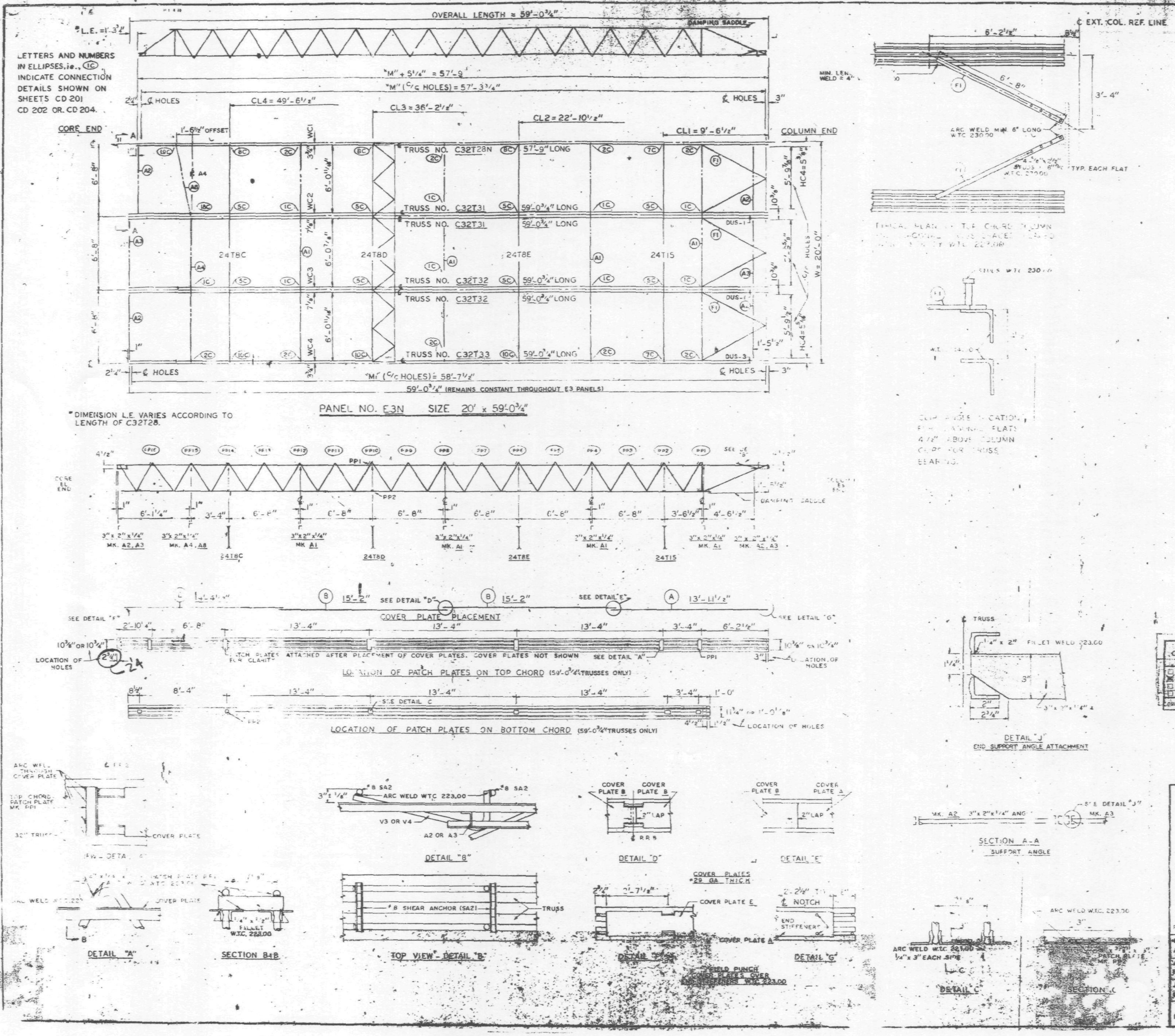
CHECKED BY [illegible] DATE DEC. 5, 1968

[redacted] CO.

DETAILED BY [illegible]

FABRICATION CONT. NO. W.T.C. 221

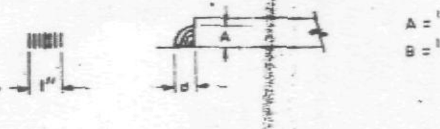
ED DR2A



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T28N	1	C32T28N - 57'-9"	ST 228N
	T31	2	C32T31 - 59'-0 3/4"	ST 231
	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - 59'-0 3/4"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5'-11"	ST 403
	A3	2	3" x 2" x 1/4" x 5'-11"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/4" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB2	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	[illegible]	ST 400
	P2	1	[illegible]	ST 400
	P3	1	[illegible]	ST 400
	P5	[illegible]	[illegible]	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 SHEAR x 0'-8"	[illegible]
PATCH PLATES	PP1	18	[illegible]	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
APPROVED
APPROVED AS NOTED
RESUBMIT
REJECTED
4/23/69 SK

NO.	DATE	REVISION	BY

REF. DRWGS.

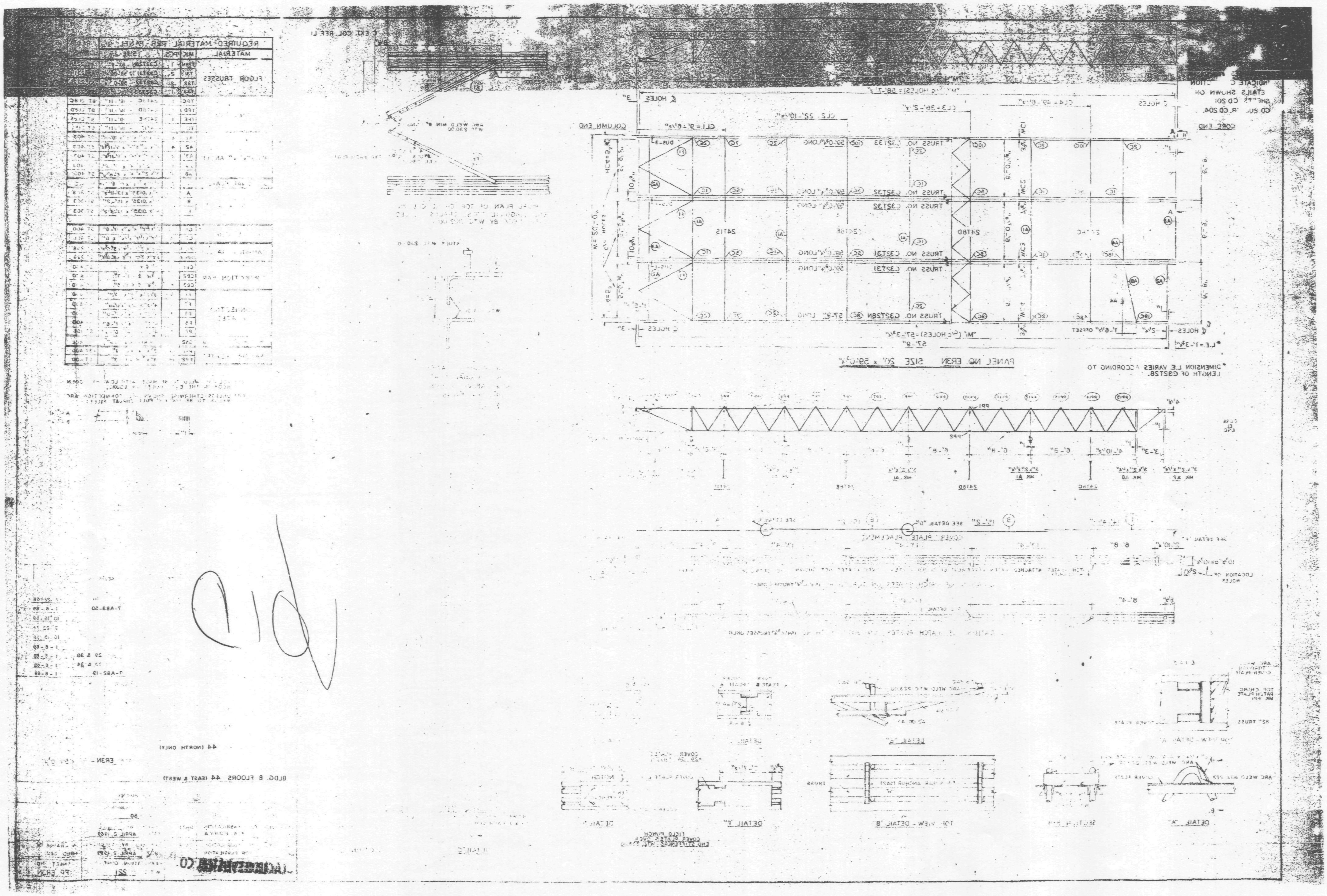
7-AB2-10	7-22-68
7-AB3-49	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

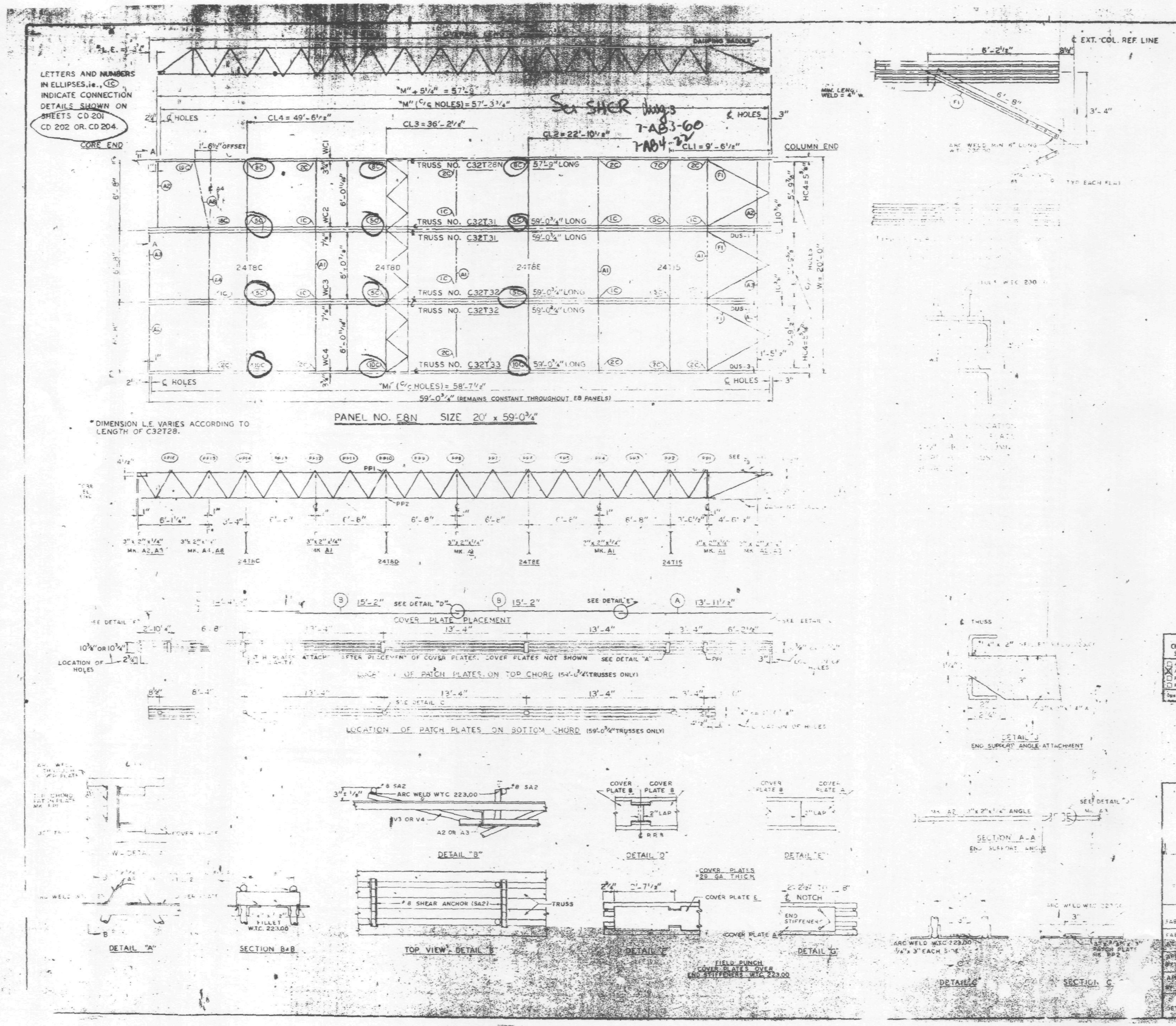
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 44 (NORTH ONLY) EAST
PANEL E3N - 20' x 59'-0 3/4"
BLDG. B FLOORS 44 (WEST ONLY)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS | DESIGN DRAWING NO. 7 AB3 49 | PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. | DATE | DRAWN BY: [illegible] DATE APRIL 2, 1969
APPROVED FOR FABRICATION BY: FOR FABRICATOR | DATE | CHECKED BY: T.M.CHURA DATE: APRIL 2, 1969 | IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. | FABRICATION CONT. NO. W.T.C. [illegible] | SHEET NO. FP E3N





REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS.	SIZE	
* FLOOR TRUSSES	T28N	1	C32T28N - 57'-9"	ST 228N
	T31	2	C32T31 - 59'-0¾"	ST 231
	T32	2	C32T32 - 59'-0¾"	ST 232
	T33	1	C32T33 - 59'-0¾"	ST 233
BRIDGING TRUSSES	T8C	1	24T8C - 19'-11"	BT 208C
	T8D	1	24T8D - 19'-11"	BT 208D
	T8E	1	24T8E - 19'-11"	BT 208E
	T15	1	24T15 - 19'-11"	BT 215
3" x 2" x ¼" ANGLE	A1	4	3" x 2" x ¼" x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11⅝"	ST 403
	A4	1	3" x 2" x ¼" x 1'-3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-5⅝"	ST 405
DIAGONAL FLATS	F1	6	[illegible] x 6'-8"	[illegible]
[illegible] PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	8	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
[illegible]	C1	[illegible]	[illegible]	[illegible]
	C2	4	[illegible]	[illegible]
[illegible] SADDLE	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]		[illegible]	[illegible]
CONNECTION BAR	[illegible]	[illegible]	[illegible]	[illegible]
	CB[illegible]		[illegible]	[illegible]
	C[illegible]	6	[illegible]	[illegible]
CONNECTION PLATES	[illegible]	5	[illegible]	[illegible]
	[illegible]	1	[illegible]	[illegible]
	P2	1	[illegible]	[illegible]
	F5	[illegible]	[illegible]	ST 400
	P6	1	[illegible]	ST 401
#8 SHEAR ANCHOR	SA2	[illegible]	[illegible]	[illegible]
PATCH PLATES	PP1	16	2" x 4" x 0'-9"	[illegible]
	PP2	18	3" x [illegible] x 0'-3"	[illegible]

(1) ALL ARC WELD TO BE MADE WITH LOW HY. [illegible] RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.

A = ¼"
B = ¼"

SKILLING · HELLE CHRISTIANSEN · ROBERTSON
Structural & Civil Engineers
APPROVED / APPROVED AS NOTED / RESUBMIT / REJECTED
Date 4/23/69 By SK

NO	DATE	REVISION	BY

REF. DRAGS.	
7-AB3-10	7-22-68
7-AB3-60	1-6-69
[illegible]	10-15-68
[illegible] 6	7-22-68
7-AB4-32	10-15-68
SE 124	1-8-69
7-AB1-25 & 28	1-6-69
7-AB1-29 & 30	1-6-69
7-AB2-19	1-6-69

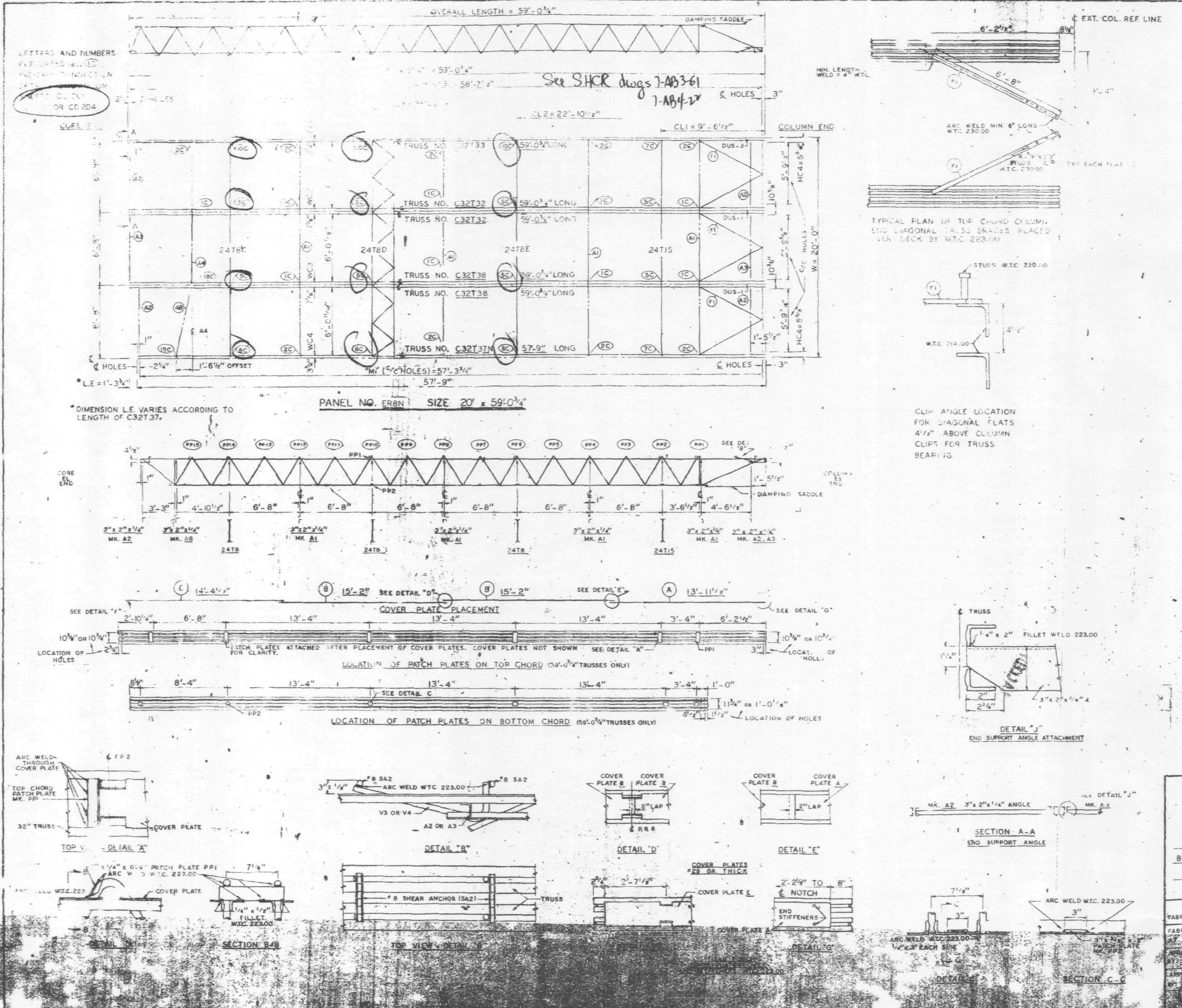
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

[illegible] A FLOORS 44 (SOUTH ONLY)

PANEL E8N - 20' x 59'-0¾"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-60	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A. — DATE	DRAWN BY D.G.G. DATE APRIL 2, 1969	
APPROVED FOR FABRICATION BY FOR FABRICATOR — DATE	CHECKED BY T.H. CHURA DATE APRIL 2, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY [illegible]	FABRICATOR CONT. NO. [illegible]	SHEET NO. FP E8N



REQUIRED MATERIAL PER PANEL				REF
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T32	2	C32T32 - 59'-0 3/4"	ST 232
	T33	1	C32T33 - 59'-0 3/4"	ST 233
	T37N	1	C32T37N - 57'-9"	ST C37N
	T38	2	C32T38 - 59'-0 3/4"	ST 238
[illegible]	T-C	[illegible]	24T8C [illegible]	ST [illegible]C
	T-D	[illegible]	24T8D [illegible]	ST [illegible]D
	T-E	[illegible]	24T8E [illegible]	ST [illegible]E
	T15	[illegible]	24T15 [illegible]	ST [illegible]
3" x 2" x 1/4" ANGLE	[illegible]	4	[illegible] x 5'-11"	ST 400
	A2	4	3" x 2" x 1/4" x 5'-[illegible]	ST 400
	A3	[illegible]	[illegible]	ST 400
	[illegible]	[illegible]	2" x 1/4" [illegible]	ST 400
	A8	[illegible]	3" x 2" x 1/4" x 6'-[illegible]	ST 400
DIAGONAL FLATS	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	A	[illegible]	9" x .0135" x 13'-[illegible]	ST 30[illegible]
	B	[illegible]	9" x .0135" x 15'-2"	ST 30[illegible]
	[illegible]	[illegible]	[illegible] x .0135" x 14'-4 1/2"	ST 303
[illegible]	C1	[illegible]	2" x 1 1/2" x [illegible] x 1'-6"	ST 40[illegible]
	C7	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 40[illegible]
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 5/16" x 3'-6 7/8"	ST 296
	DUS-3	1	3 1/2" x 3 1/2" x 5/16" x 3'-6 7/8"	ST 29[illegible]
CONNECTION BAR	CB1	1	1" Φ x [illegible]-3"	ST 400
	CB2	6	3/4" Φ x [illegible]-3"	ST 400
	CB7	6	1 5/8" Φ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3 1/2" x 3/8" x [illegible]	ST 400
	F2	1	4 1/2" x [illegible] x 0'-9"	ST 400
	F3	1	4 1/2" x [illegible] x 1'-0"	ST 400
	F5	3	4 1/2" x [illegible] x 1'-6"	ST 400
	F6	1	4 1/2" x [illegible] x 0'-9"	ST 400
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
APPROVED
X APPROVED AS NOTED
RESUBMIT
REJECTED
4/23/69 By SK

REF. DRWGS.	
7-AB2-10	7-22-68
7-AB3-61	1-6-69
7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	1-6-69
7-AB1-29 & 30	1-6-69
7-AB1-33 & 34	1-6-69
7-AB2-19	1-6-69

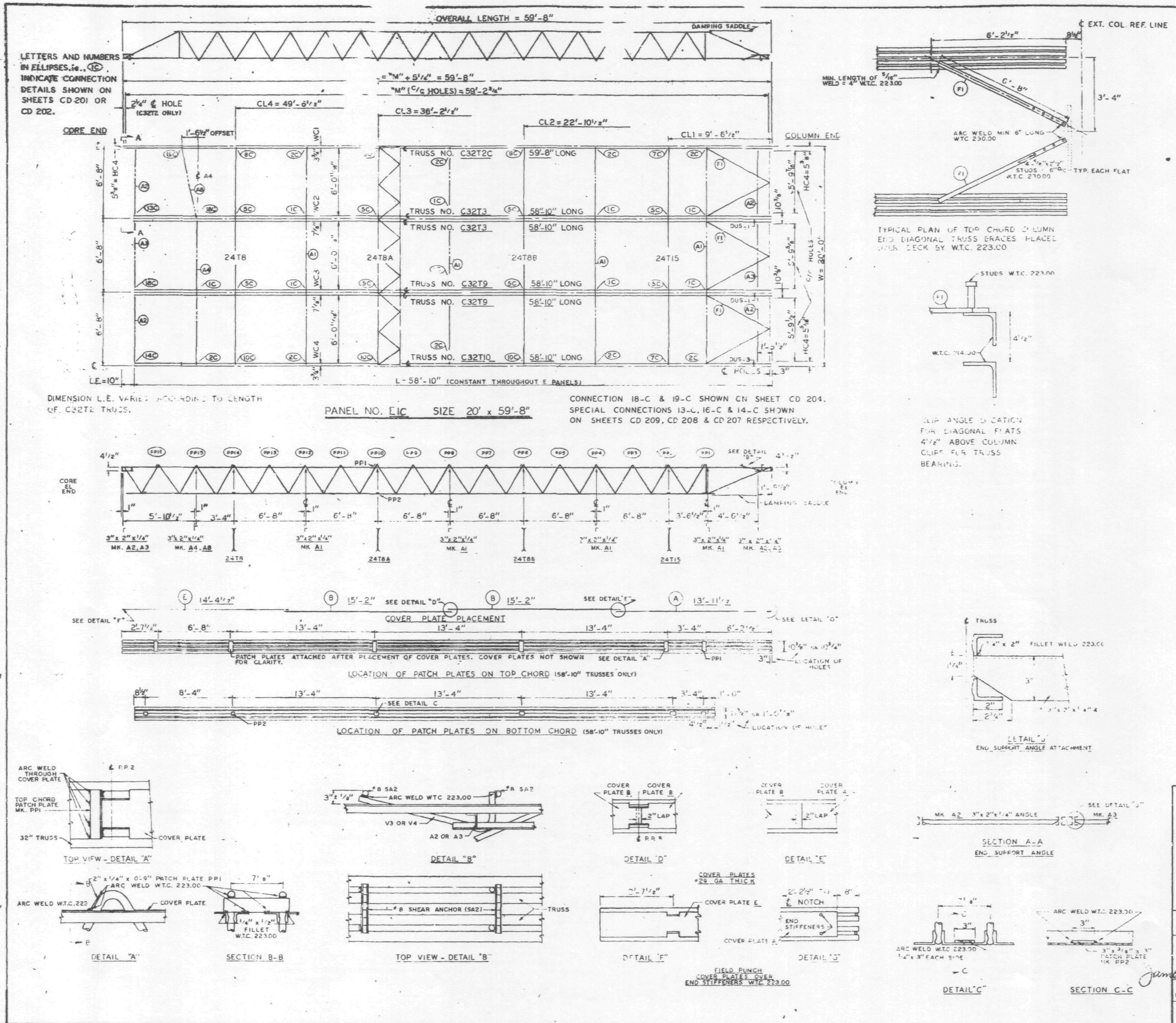
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BL[illegible] A FLOORS 44 (SOUTH ONLY)

PANEL ER8N - 20' x 59'-0 3/4"

FABRICATION BY: LACLEDE STEEL COMPANY

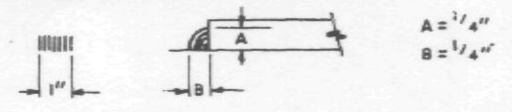
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-61
PLATE
DRAWN BY [illegible] DATE APRIL 2, 1969
CHECKED BY T. MACHURA DATE APRIL 2, 1969
IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO.
ER8N



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2C	1	C32T2C - 59'-8"	ST 202C
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT [illegible] 8
	T8A	1	24T8A - 19'-11"	[illegible] 8A
	T8B	1	24T8B - 19'-11"	[illegible] 8B
	T15	1	24T15 - [illegible] -11"	BT 215
3"x 2"x 1/4" ANGLE	A1	4	3"x 2" [illegible] x 19'-11"	ST 403
	A2	4	3"x [illegible] x 1/4" x 5'-11 3/16"	ST 40[illegible]
	A3	2	3"x 2" x 1/4" x 5'-11 3/4"	ST 403
	A4	1	3"x 2" x 1/4" x 13' 3"	ST 403
	A8	1	3"x 2" x 1/4" x 6' [illegible]	ST 405
DIAGONAL FLATS	[illegible]	6	1 1/2" x 5/8" x 6' [illegible]	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x [illegible]35" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" Φ x 1'-3"	ST 400
	CB2	6	1 3/16" Φ x 1'-3"	ST 400
	CB3	6	1 5/8" Φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x [illegible] 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x [illegible] x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.



A = 1/4"
B = 1/4"

NO	DATE	REVISION	BY

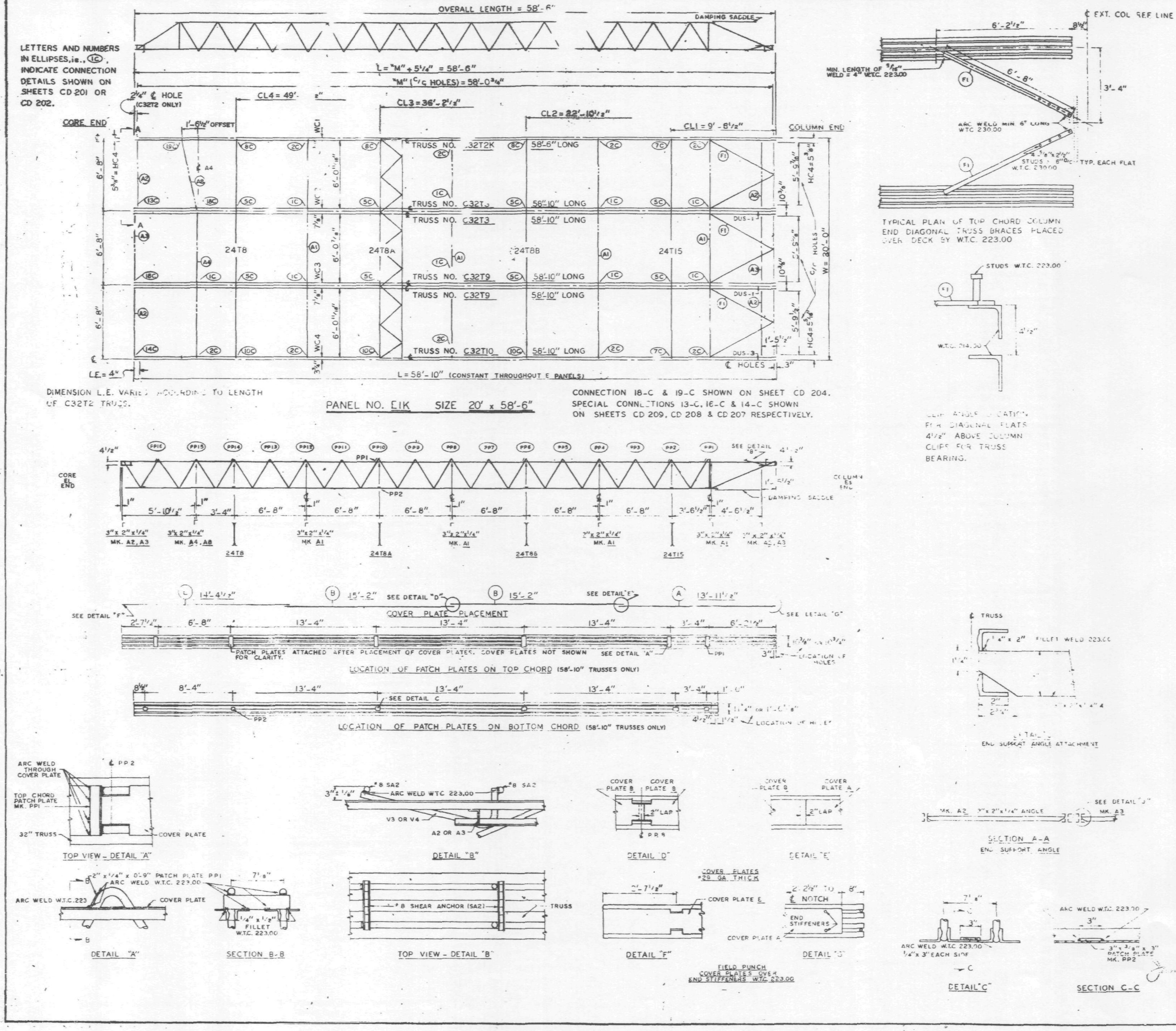
REF. DRWGS.		
	7-AB2-3 & [illegible]	7-22-68
	7-AB3-11	7-22-68
	7-AB4-1, 3.1	1-3-68
	7-AB4-15 & 16, 39	7-22-68
	7-AB4-42	10-15-68
	SA-124	10-11-68
	7-AB1-3	7-22-68
	7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 50-58, 60-66, 68-74, 79-91, 93-106 (S)

PANEL E1C - 20' x 59'-8"

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7 AB3-11 7-22-68
APPROVED FOR FABRICATION FOR P.O.N.Y.A. James White DATE 11/15/68
DRAWN BY adc DATE NOV. 1, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE ______
CHECKED BY: T.M.CHURA DATE NOV. 4, 1968
IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP E1C



REQUIRED MATERIAL PER PANEL				REF. DWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2K	1	C32T2K - 58'-6"	ST 202K
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - [illegible]-11"	BT 208A
	T8B	1	24T8B - [illegible]9'-11"	BT 208B
	T15	1	24T15 - 19'-11"	BT [illegible]15
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" x 5' [illegible]	ST 40[illegible]
	A3	2	3" x 2" x 1/4" x [illegible]	ST 403
	A4	1	3" x 2" x 1/4" x [illegible]3"	ST 405
	A8	1	3" x 2" x 1/4" x 6'-[illegible]"	ST 405
DIAGONAL FLATS	F1	6	[illegible] x 6'-9"	ST 402
COVER PLATES	A	3	[illegible] x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIP	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" Φ x 1'-3"	ST 400
	CB2	6	1 3/16" Φ x 1'-3"	ST 400
	CB3	6	1 5/8" Φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x [illegible]	ST 400
	P2	1	4 1/2" x .3[illegible]" x 0'-8"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	PF	1	4 1/2" x .3[illegible]" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	8	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-11	7-22-68
7-AB4-3, 3.1	1-3 -68
7-AB4-15 & 16, 39	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

FLOOR PANEL DETAILS

FOR

WORLD TRADE CENTER - N.Y.C.

FOR

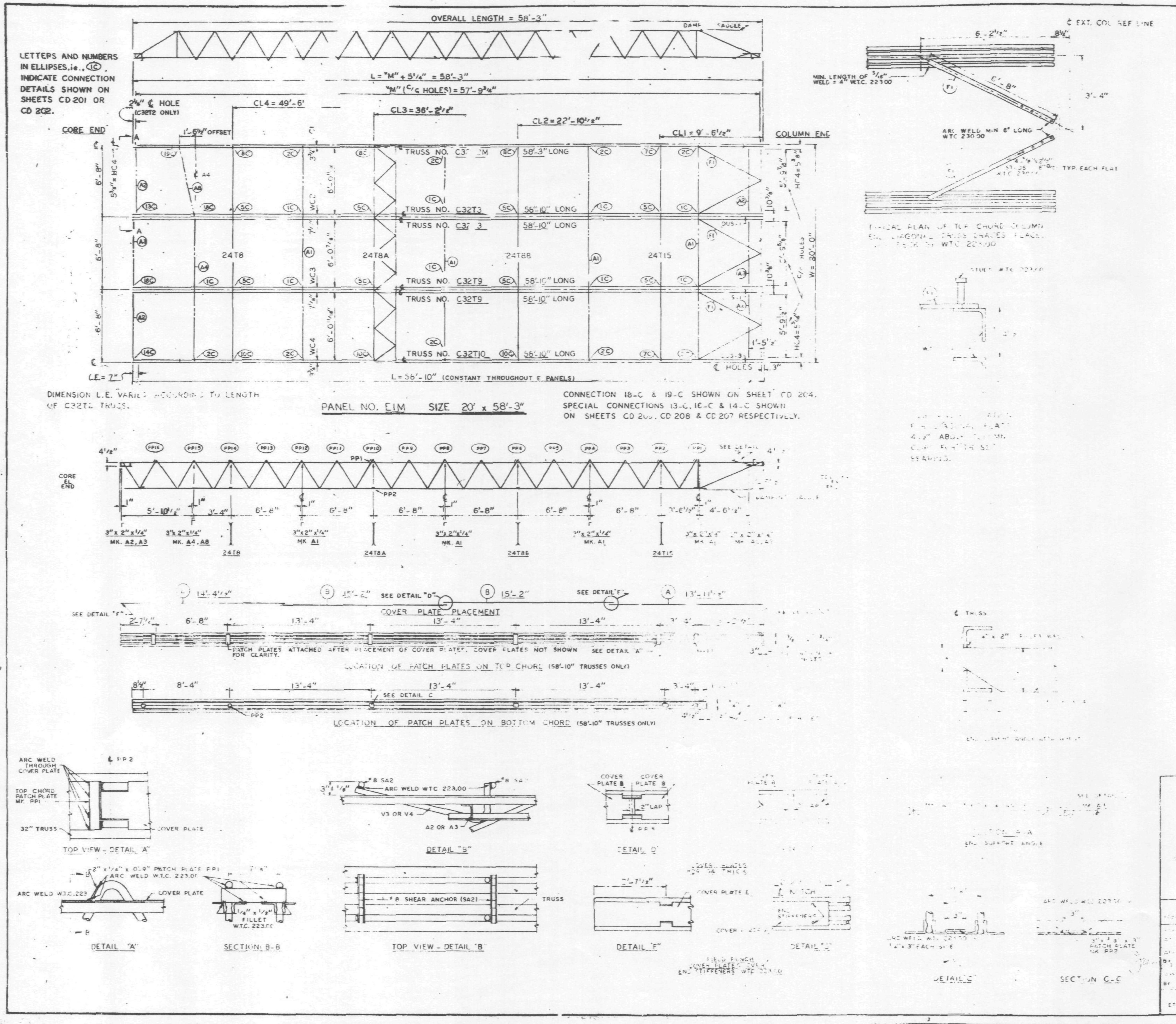
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46 (N)

PANEL EIK - 20' x 58'-6"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3-11 7-22-68	PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A	DATE 11/15/68	DRAWN BY [illegible] DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE NOV. 4, 1968	IN CHARGE OF PROD DEV.
DETAILED BY A. CARL WEBER	LACLEDE STEEL CO.	FABRICATION CONT. NO W.T.C. 221	SHEET NO FP EIK



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2M	1	C32T2M - 58'-3"	ST 20_M
	T3	2	C32T3 - 58-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT 208
	T8A	1	24T8A - 19'-11"	BT 208A
	T8B	1	24T8B - 19'	BT 208B
	T15	1	24T15 - [illegible]	BT 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" x 1/4" x [illegible]-11"	ST 40[illegible]
	A2	4	[illegible] 2" x 1/4" x 5'-11 5/16"	ST 4[illegible]
	A3	[illegible]	3" x 2" x 1/4" x 5'-11 5/16"	[illegible] 403
	A4	[illegible]	3" x 2" x 1/4" x [illegible]	ST 403
	A8	1	3" x 2" x 1/4" x 6'-5[illegible]"	ST 403
DIAGONAL PLATE	[illegible]	6	1 1/2" x 5/16" x 6'-9"	ST 402
COVER PLATES	A	3	[illegible] x 13'-11 1/2"	ST 303
	B	6	6" x [illegible] x 15'-2"	ST 303
	E	[illegible]	4" x .0135" x 14'-4 1/2"	ST 303
[illegible]	C1	20	2" x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 8"	ST 400
ANCHOR SADDLE	[illegible]	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	[illegible]	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	5	1 3/16" ϕ x 1'-3"	ST 400
	CB3	* 6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	[illegible]	5	3 1/2" x 3/8" x [illegible]	ST 400
	F2	1	4 1/2" x .39" x 0'-9"	ST 400
	F3	1	4 1/2" x .39" x 1'-0"	ST 400
	F5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	PF	1	4 1/2" x .34" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-3"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRAWGS

[illegible] 3 & [illegible]	7-22-68
[illegible]-11	7-22-68
[illegible] AB4-3, 3.1	1-3-68
[illegible] AB4-15 & 16, 39	7-22-68
[illegible] AB4-42	10-15-68
[illegible]-124	10-11-68
[illegible] AB[illegible]-3	7-22-68
[illegible] AB1 6, 7 & 8	7-22-68

FLOOR PANEL DETAILS

THE PORT OF NEW YORK AUTHORITY

[illegible] FLOORS 72-73 (N)

PANEL E1M - 20' x 58'-3"

[illegible] COMPANY

[illegible] 7-22-68

APPROVED FOR FABRICATION DATE 11/15/68

DRAWN BY [illegible] DATE NOV. 1, 1968

CHECKED BY J.M.CHORA DATE NOV. 4, 1968

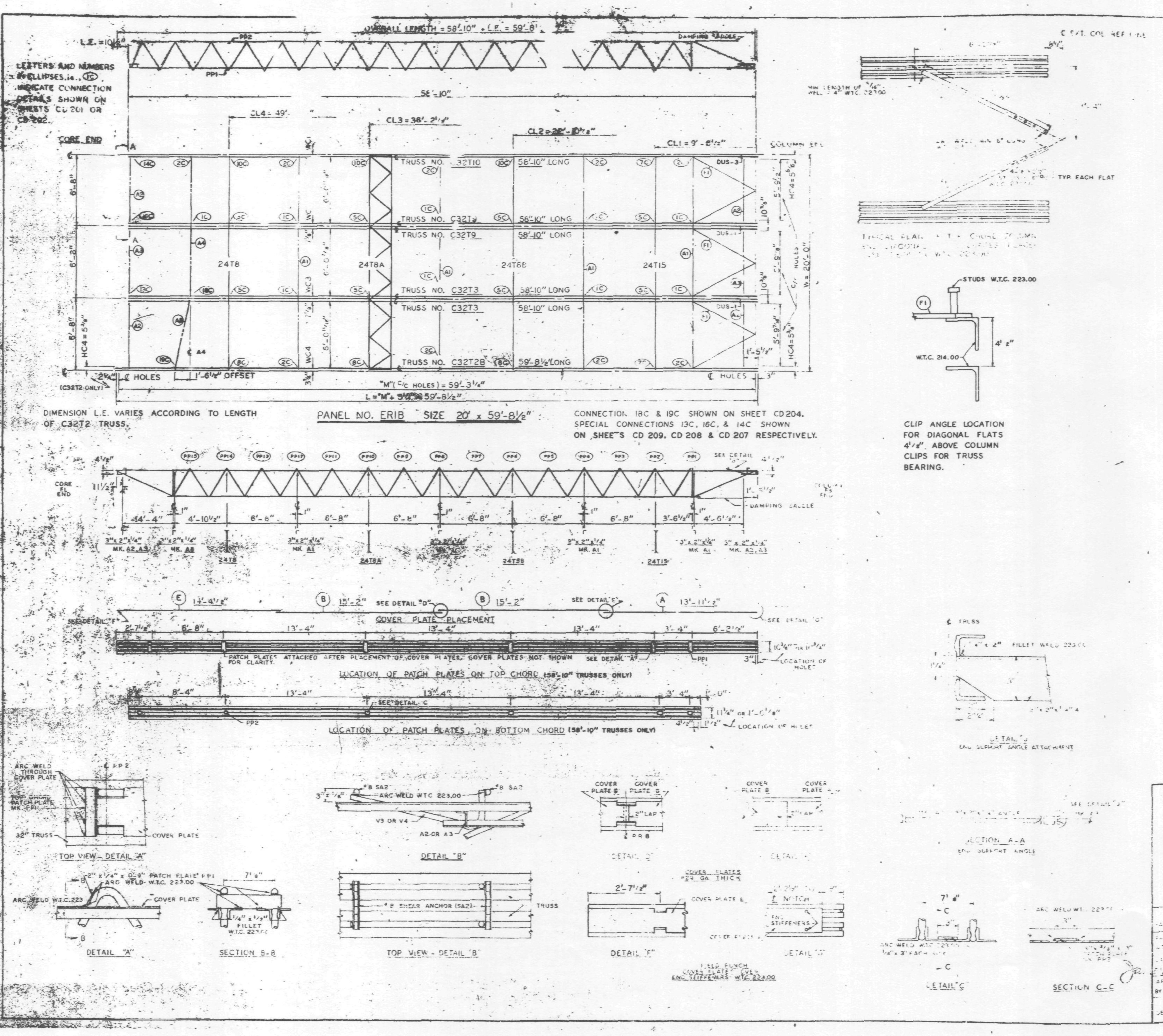
FOR FABRICATOR

PROD. DEV.

DETAILED BY [illegible] CARL WEBER

FABRICATION CONT. NO. WTC 221

SHEET NO. FP E1M



MATERIAL	MK	PC	SIZE	DWG.
FLOOR TRUSSES	T2B	1	C32T2B - 59'-8 1/2"	ST 202B
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - [illegible]-11"	ST 208
	T8A	1	24T8A - [illegible] 11"	ST 208A
	T8B	1	24T8B [illegible]-11"	ST 208B
	T15	[illegible]	24T15 [illegible]-11"	ST [illegible]15
3" x 2" x 1/4" ANGLE	A1	4	[illegible] x 2" x 1/4" x 19'-[illegible]	[illegible]
	A2	[illegible]	[illegible] x 2" x 1/4" x 5' [illegible]	ST 403
	A[illegible]	2	3" x 2" x 1/4" x [illegible]	ST [illegible]
	A4	1	3" x 2" x 1/4" x 43'-3"	ST 403
	A8	1	3" x 2" x 1/4" x [illegible]	ST 405
DIAGONAL FLATS	F1	[illegible]	[illegible] x 6'-8"	ST 402
[illegible]	A	3	[illegible] x 13'-11 1/2"	ST 303
	B	[illegible]	[illegible] x .0135" x 15'-2"	ST 303
	[illegible]	[illegible]	[illegible] x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x [illegible]	ST 400
[illegible]	[illegible]	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	[illegible]	[illegible]	3 1/2" x [illegible] x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB	1	[illegible] Φ x 1'-3"	ST 400
	CB2	6	1 3/8" Φ x 1'-3"	ST 400
	CB3	6	1 3/8" Φ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DWGS.

7-AB2-3 & 10	7-22-68
7-AB2-12	10-15-68
7-AB4-4,3,1	11-3-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

FLOOR PANEL DETAILS

FOR

WORLD TRADE CENTER

FOR

THE PORT OF NEW YORK AUTHORITY

84-91, 93-106 (N)

PANEL EFIB- [illegible] 59-8 1/2"

FABRICATION BY JACOBS STEEL COMPANY

DESIGN DRAWING NO. 7-AB2-12 10-15-68

DATE 11/20/68

DRAWN BY [illegible] NOV 4, 1968

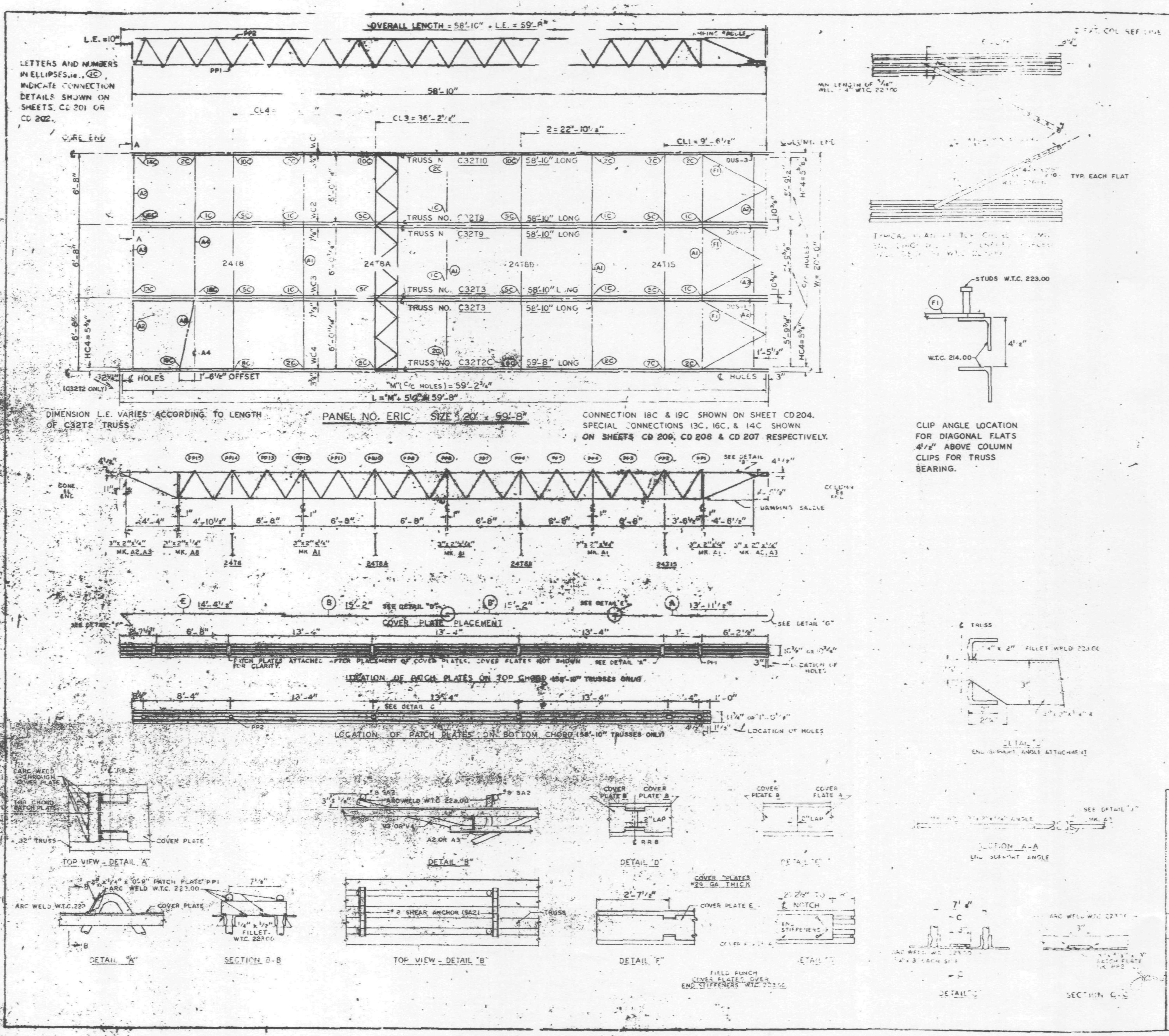
CHECKED BY I.M.CHURA DATE NOV 5, 1968

APPROVED FOR FABRICATION BY FOR FABRICATOR

FABRICATION CONT NO. W.T.C. 221

DETAILED BY CARL WEBER

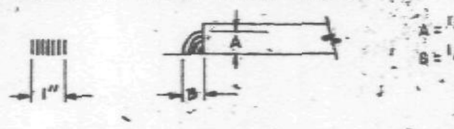
SHEET NO. FP ERIB



REQ'D MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	
[illegible] TRUSSES	[illegible]2C	1	C32T[illegible]C - 59'-8"	ST 202C
	[illegible]	2	C32T[illegible] - 58'-10"	ST 203
	T[illegible]		C32T[illegible] - 58'-10"	ST 209
	[illegible]	[illegible]	C32T[illegible] - 58'-10"	ST 210
[illegible] TRUSSES	T8	1	[illegible]4T8 - 19'-	ST 208
	T8A	1	24T8A - [illegible]	ST 208A
	[illegible]B	1	24T8B - 19'-11"	ST 208B
	T15	1	[illegible] - 19'-11"	ST 215
3"x 2"x 1/4" ANGLE	A1	4	3" [illegible] 1/4" x 19'-1[illegible]	ST 40[illegible]
	A2		3"x 2"x 1/4" x 5'-[illegible]	ST 403
	A3	2	3"x 2"x 1/4" [illegible] 3/4"	ST 40[illegible]
	A4	1	3"x 2"x 1/4" x 13'-3"	ST 403
	A8	1	3"x 2"x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	[illegible] x .0135" x 13'-11 1/2"	ST 303
	B	[illegible]	[illegible] x .0135" x 15'-2"	ST 302
	[illegible]	3	[illegible] x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2"x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLES	[illegible]	2	3 1/2"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	[illegible]S 3	1	3 1/2"x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	[illegible] x 1'-3"	ST 400
	CB2	6	1 3/16" ¢ x 1'-3"	ST 400
	CB[illegible]	6	1 5/8" ¢ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2"x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P8	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2"x 1/4" x 0'-9"	ST 400
	PP2	18	3"x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

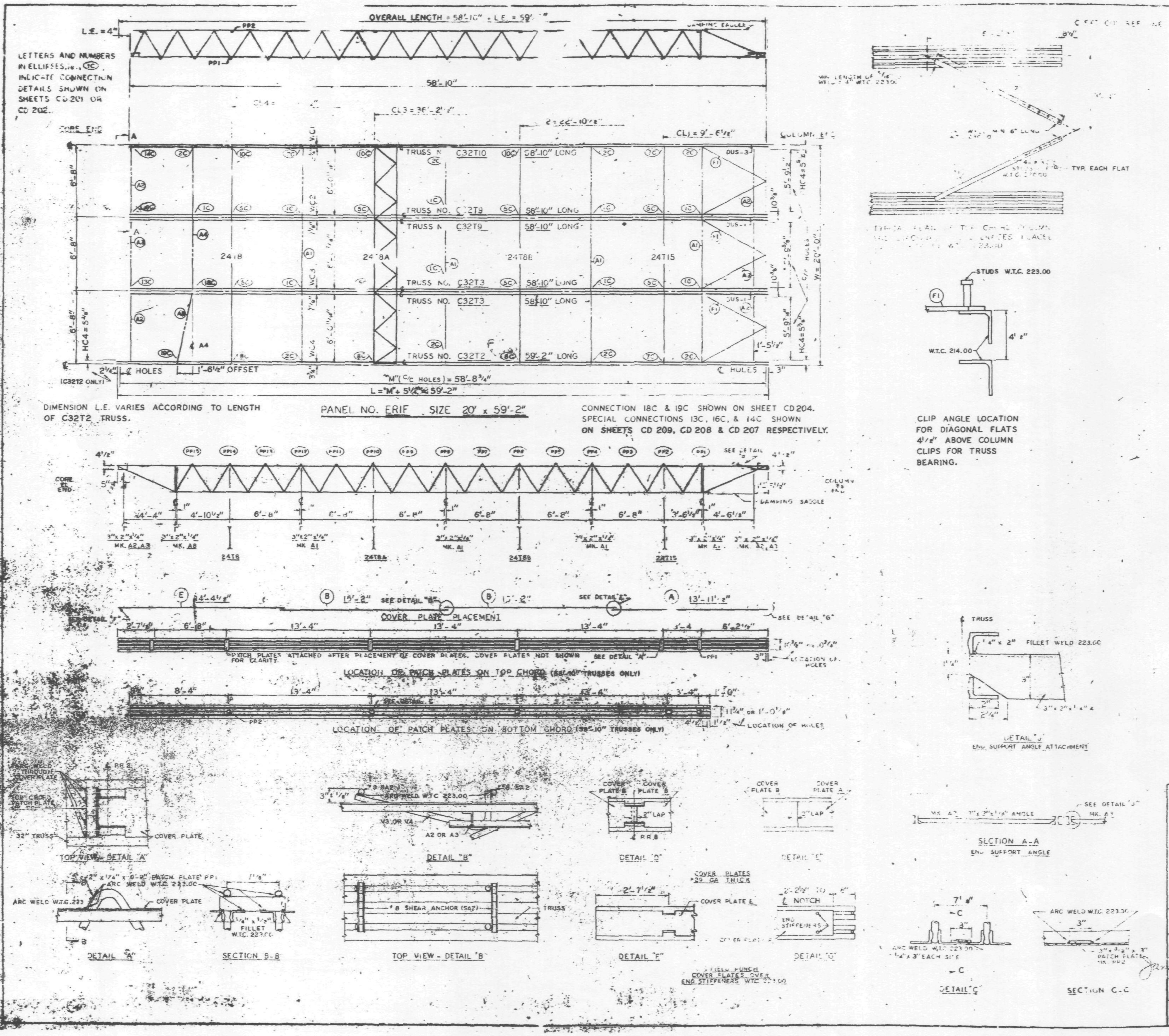


NO.	DATE	REVISION

REF. DRWGS.	
7-AB2-3 & 10	7-22-68
7-AB3-12	10-15-68
7-AB4-[illegible]	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

FLOOR PANEL DETAILS [illegible]
FOR
WORLD TRADE CENTER - N.Y.C.
THE PORT OF NEW YORK AUTHORITY
BLDG. A FLOOR 50-58, 60-66, 68-74, 80-91, 93-106 (S)
PANEL ERIC [illegible] x 59'-8"

FABRICATION BY [illegible] STEEL COMPANY
[illegible] ILLINOIS
DESIGN DRAWING NO. 7-AB3-12 10-15-68
DRAWN BY [illegible] DATE NOV 4, 1968
CHECKED BY [illegible] DATE NOV 5, 1968
11/20/68
FABRICATION CONT. NO. [illegible] 221
SHEET NO. FP ERIC
[illegible] BY A CARL WEBER



[illegible]	MK.	NO.	SIZE	DWG.
[illegible]	[illegible]F	1	C32[illegible]F - 59'-2"	ST 202F
	T3	[illegible]	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'	ST 208
	T8A	1	24T8A 19'-11"	ST 208A
	T8B	1	24T[illegible] 19'-11"	ST 208B
	T15	1	[illegible] 19'-11"	ST 215
3"x 2"x 1/4" ANGLE	A1	[illegible]	3"x 2"x 1/4"x 19'-1[illegible]	ST 403
	[illegible]	4	3"x 2"x 1/4" [illegible]	ST 403
	A3	2	3"x 2"x 1/4" 5'-11 3/4"	ST 403
	A4	1	3"x 2"x 1/4" x 13'-3"	ST 403
	A8	1	3"x 2"x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	[illegible]	[illegible]" x .0135" x 13'-11 1/2"	ST 303
	B	[illegible]	6" x .0135" x 15'-2"	ST 303
	[illegible]	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2"x 1 1/2" x 1/4" x 0'-8"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
[illegible]	[illegible]	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3[illegible]" x 3 1/2" x 3/8" x 3'-[illegible]"	ST 298
CONNECTION BAR	CB1	1	[illegible]" ϕ x 1'-2"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 5/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 401
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-9"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/2"

NO.	DATE	REVISION

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-12	10-15-68
7-AB4-1,3,1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOOR 47-48, 70-71 (N)

PANEL ERIF - 20' x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

APPROVED FOR FABRICATION DATE [illegible] PONYA 11/20/68

RELEASED FOR FABRICATION DATE

DESIGN DRAWING NO. 7 AB3-12 10-15-68

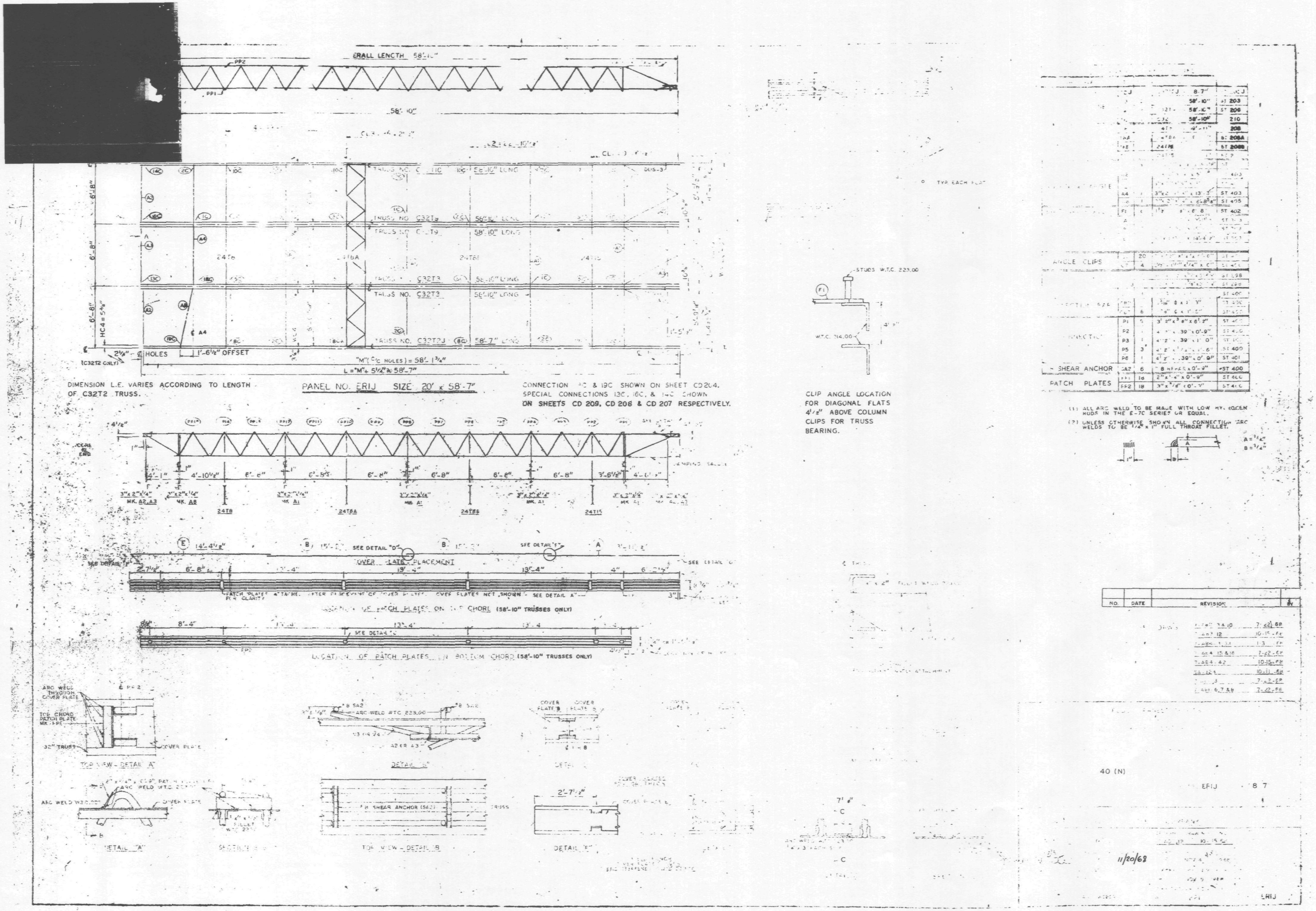
DRAWN BY [illegible] DATE NOV 4, 1968

CHECKED BY T.M. CHURA DATE NOV 5, 1968

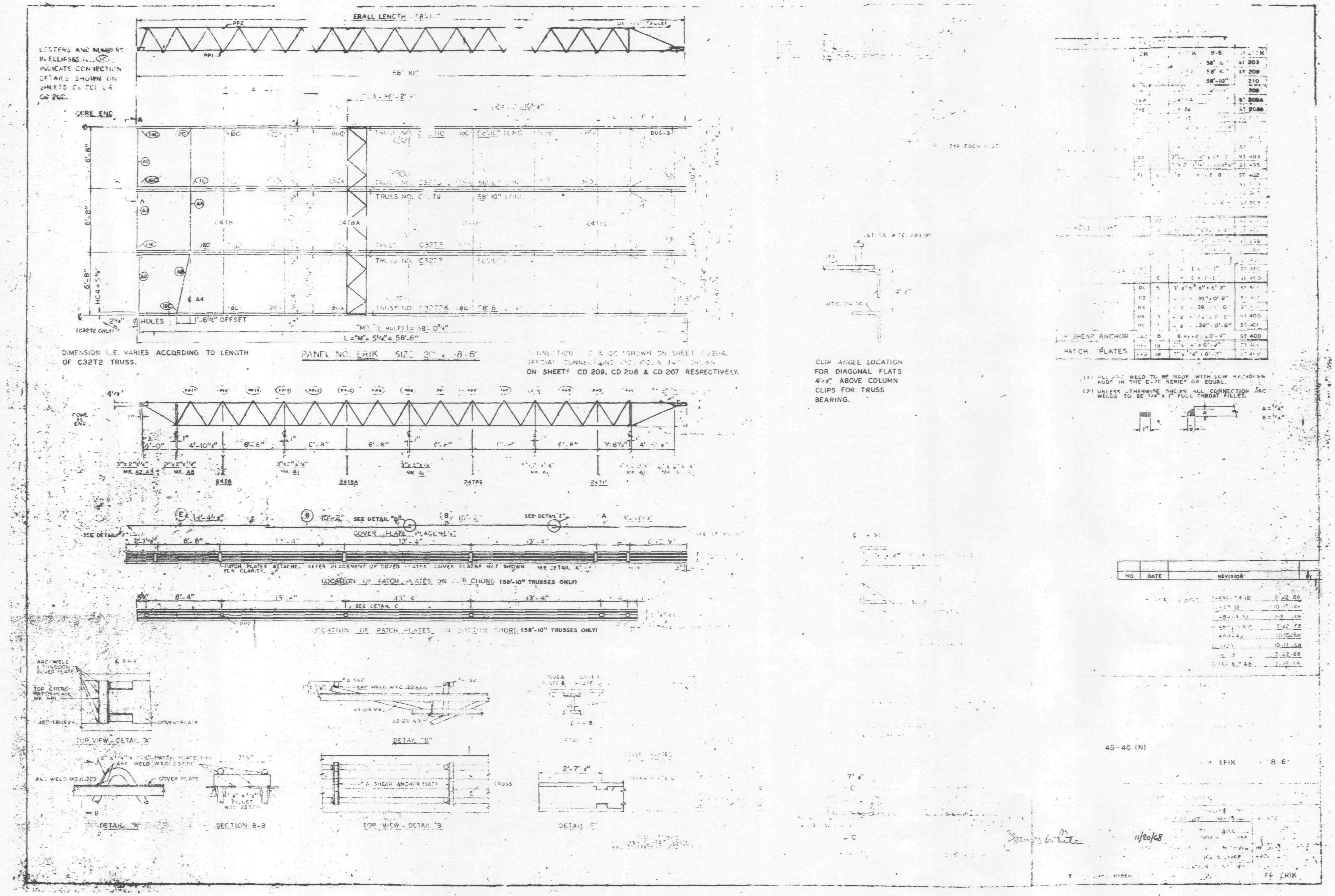
FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP ERIF

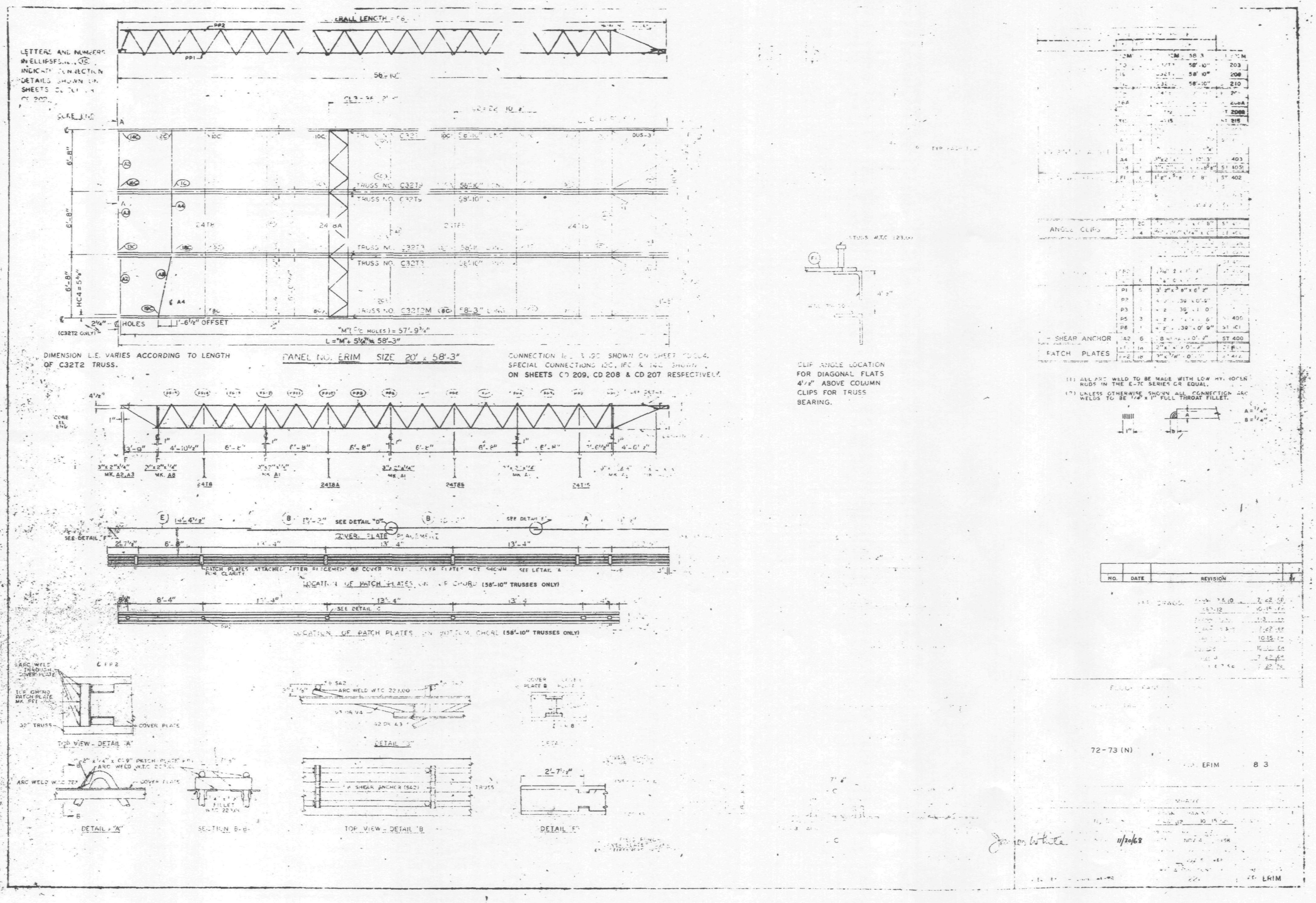
DETAILED BY [illegible] WEBER



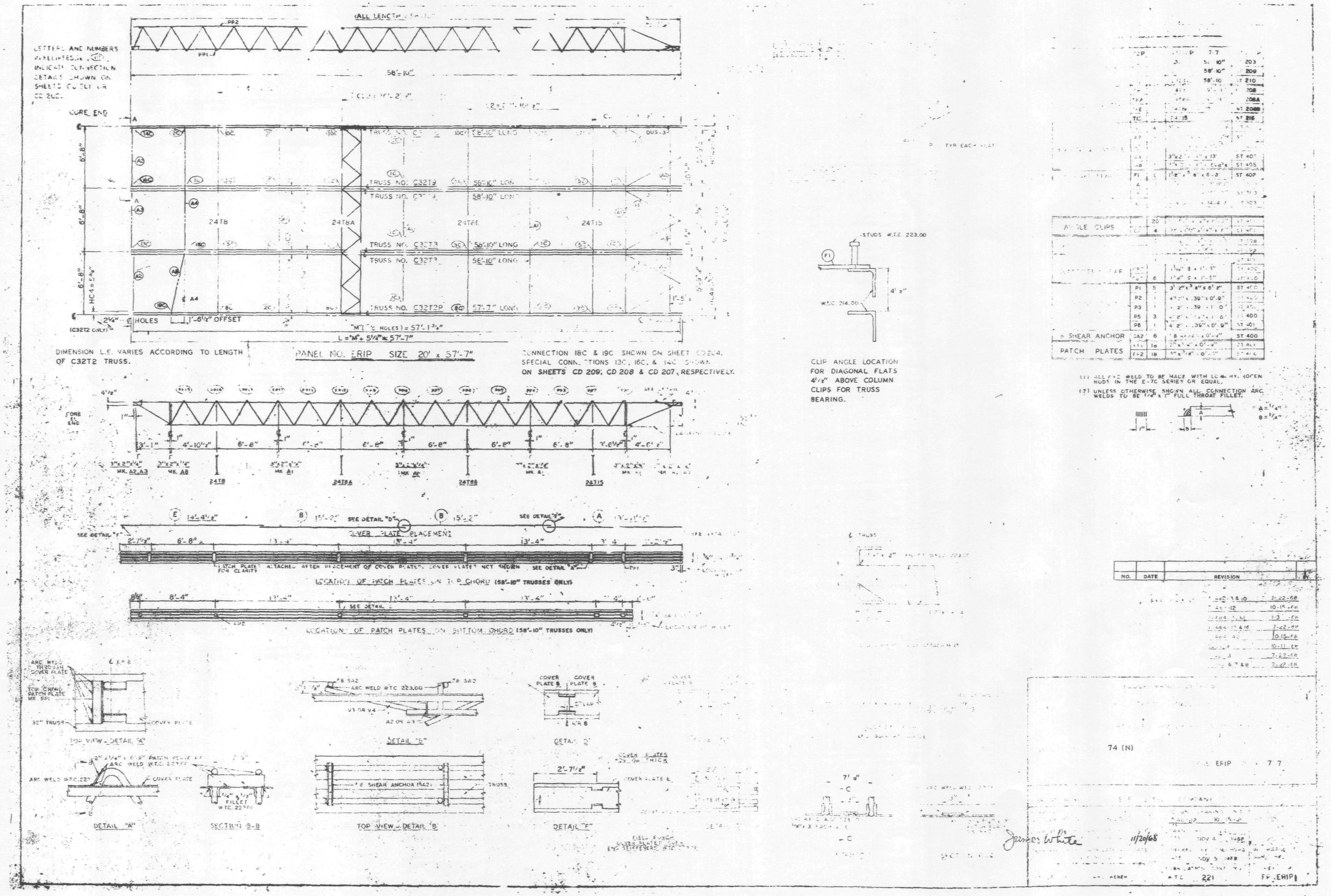
OVERALL LENGTH 58'-10"
PP2
PP1
58'-10"
TRUSS NO. C32T1C 58'-10" LONG
TRUSS NO. C32T9 56'-10" LONG
TRUSS NO. C32T9 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T3 58'-10" LONG
TRUSS NO. C32T2J 58'-7" LONG
24T6
24T8A
24T8
24T15
6'-8"
HC4=5¾"
2⅝" – ℄ HOLES
1'-6½" OFFSET
(C32T2 ONLY)
"M" (℄/C HOLES) = 58'-1¾"
L="M"+5⅛" = 58'-7"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIJ SIZE 20' x 58'-7"
CONNECTION 1C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN
ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
STUDS W.T.C. 223.00
W.T.C. 214.00
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
ANGLE CLIPS
SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.
A=¼"
B=¼"
4'-10½"
6'-8"
3'-6½"
3"x2"x¼" MK. A2, A3
3"x2"x¼" MK. A8
3"x2"x¼" MK. A1
14'-4½"
15'-2"
SEE DETAIL "D"
SEE DETAIL "E"
COVER PLATE PLACEMENT
SEE DETAIL "F"
6'-8"
13'-4"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
SEE DETAIL "A"
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
8'-4"
13'-4"
SEE DETAIL "C"
LOCATION OF PATCH PLATES IN BOTTOM CHORD (58'-10" TRUSSES ONLY)
ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE MK. PPE
32" TRUSS
COVER PLATE
TOP VIEW - DETAIL "A"
ARC WELD W.T.C. 223.00
A2 OR A3
DETAIL "B"
COVER PLATE
℄ 1-8
ARC WELD W.T.C.
COVER PLATE
DETAIL "A"
8 SHEAR ANCHOR (SA2)
TRUSS
TOP VIEW - DETAIL "B"
2'-7½"
DETAIL "E"
NO.
DATE
REVISION
BY
40 (N)
ERIJ
11/20/68
ERIJ



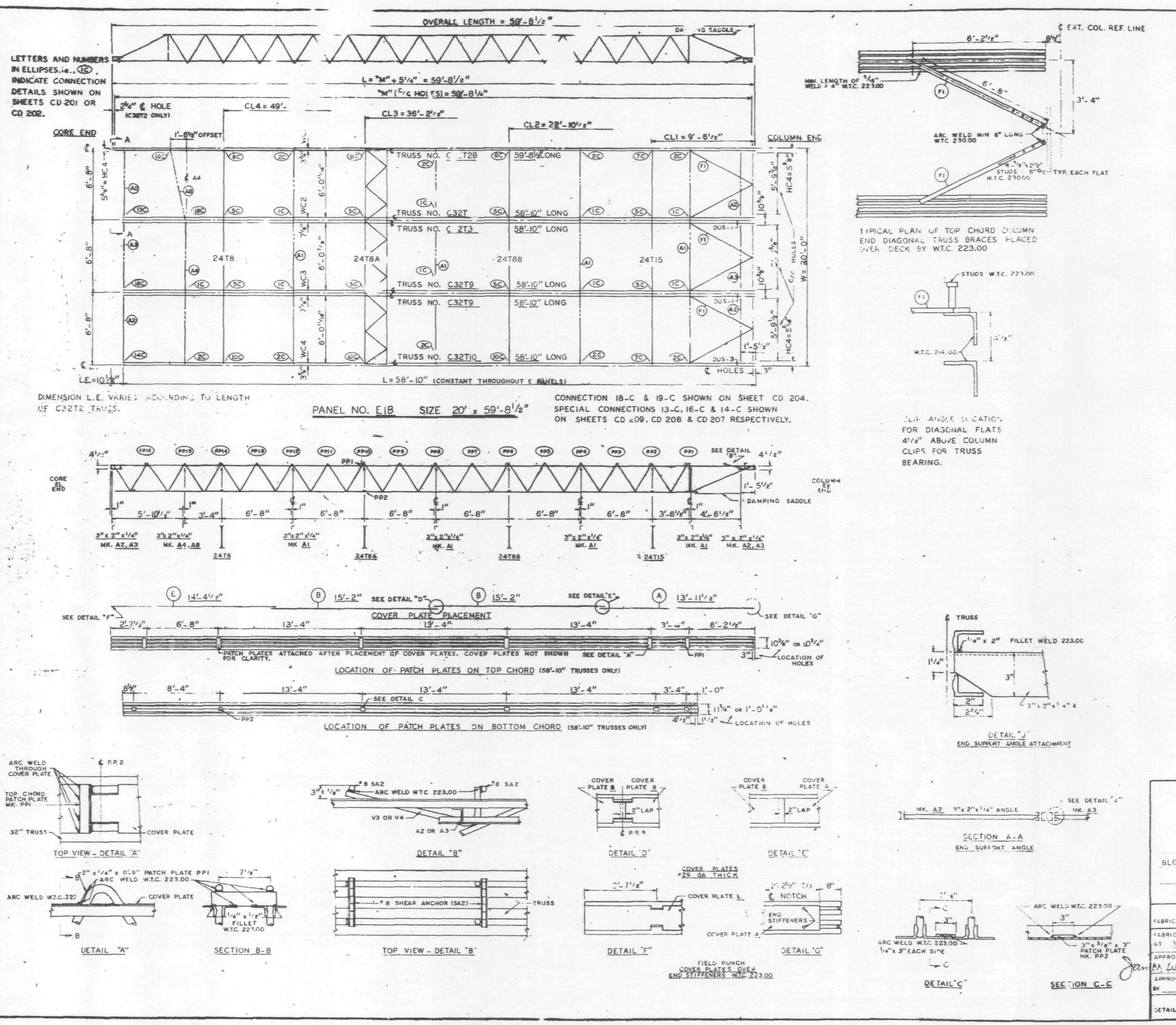
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS
58'-10"
CORE END
TRUSS NO. C32T9
58'-10" LONG
HOLES
1'-6½" OFFSET
(C32T2 ONLY)
L = "M" + 5¼" = 58'-6"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIK
ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
SHEAR ANCHOR
PATCH PLATES
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
SEE DETAIL "B"
COVER PLATE PLACEMENT
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES IN BOTTOM CHORD (58'-10" TRUSSES ONLY)
TOP VIEW - DETAIL "A"
DETAIL "B"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
COVER PLATE
ARC WELD
TRUSS
NO.
DATE
REVISION
45-46 (N)
EFIK
11/20/68



LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS
TRUSS NO. C32T3
TRUSS NO. C32T9
TRUSS NO. C32T2M
2'-1/4" HOLES
1'-6 1/2" OFFSET
L = "M" + 5 1/2" = 58'-3"
(C32T2 ONLY)
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIM SIZE 20' x 58'-3"
SPECIAL CONNECTIONS 13C, 18C & 14C SHOWN ON SHEETS CD 209, CD 208 & CD 207 RESPECTIVELY.
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.
24T8
24T8A
24T85
24T15
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "F"
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
ANGLE CLIPS
SHEAR ANCHOR
PATCH PLATES
(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
NO.
DATE
REVISION
TOP VIEW - DETAIL "A"
COVER PLATE
ARC WELD W.T.C. 22.00
DETAIL "B"
DETAIL "A"
SECTION B-B
TOP VIEW - DETAIL "B"
SHEAR ANCHOR (S42)
DETAIL "F"
72-73 (N)
ERIM
11/20/68



LETTERS AND NUMBERS
CORE END
TRUSS NO. C32T2P
TRUSS NO. C32T3
58'-10" LONG
57'-7" LONG
24T8
24T8A
24T8B
24T15
HC4=5⅜
HOLES
1'-8½" OFFSET
(C32T2 ONLY)
L="M"+5¼"=57'-7"
DIMENSION L.E. VARIES ACCORDING TO LENGTH OF C32T2 TRUSS.
PANEL NO. ERIP SIZE 20' x 57'-7"
CONNECTION 18C & 19C SHOWN ON SHEET CD204.
SPECIAL CONNECTIONS 13C, 16C, & 14C SHOWN
ON SHEETS CD 209; CD 208 & CD 207, RESPECTIVELY.
STUDS W.T.C. 223.00
W.T.C. 214.00
CLIP ANGLE LOCATION
FOR DIAGONAL FLATS
4'/2" ABOVE COLUMN
CLIPS FOR TRUSS
BEARING.
ANGLE CLIPS
SHEAR ANCHOR
PATCH PLATES
(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.
COVER PLATE PLACEMENT
SEE DETAIL "D"
SEE DETAIL "E"
LOCATION OF PATCH PLATES ON TOP CHORD (58'-10" TRUSSES ONLY)
LOCATION OF PATCH PLATES ON BOTTOM CHORD (58'-10" TRUSSES ONLY)
NO.
DATE
REVISION
ARC WELD W.T.C. 223.00
TOP VIEW - DETAIL "A"
DETAIL "A"
SECTION B-B
DETAIL "B"
TOP VIEW - DETAIL "B"
SHEAR ANCHOR (SA2)
DETAIL "D"
DETAIL "E"
COVER PLATES
74 (N)
ERIP
11/20/68
221



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	[illegible]
FLOOR TRUSSES	T2B	1	C32T2B - 59'-8 1/2"	ST 202B
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	ST 208
	T8A	1	24T8A - 19'-11"	ST 208A
	T8B	1	24T8B - [illegible]11"	ST 208B
	T15	1	24T15 [illegible] -11"	ST 215
3" x 2" x 1/4" ANGLE	A1	4	3" x 2" [illegible] x 19'-11"	ST [illegible]3
	A2	4	[illegible] x 2" x 1/4" x 5'-11[illegible]"	ST 4[illegible]3
	A3	2	3" x 2" x 1/4" x 5'-11[illegible]	ST 403
	A4	1	3" x 2" x 1/4" x [illegible]	ST 403
	A8	1	3" x 2" x 1/4" x 6'-[illegible]"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
COVER PLATES	A	3	9" [illegible] .035" x 13'-11 1/2"	ST 303
	B	6	9" [illegible] .035" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x [illegible] 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO.	DATE	REVISION	BY

REF. DRWGS.

7-A82-3 & 10	7-22-68
7-A83-11	7-22-68
7-A84-3, 3.1	1-3-68
7-A84-15 & 16, 39	7-22-68
7-A84-42	10-15-68
SA-124	10-11-68
7-A81-3	7-22-68
7-A81-6, 7 & 8	7-22-68

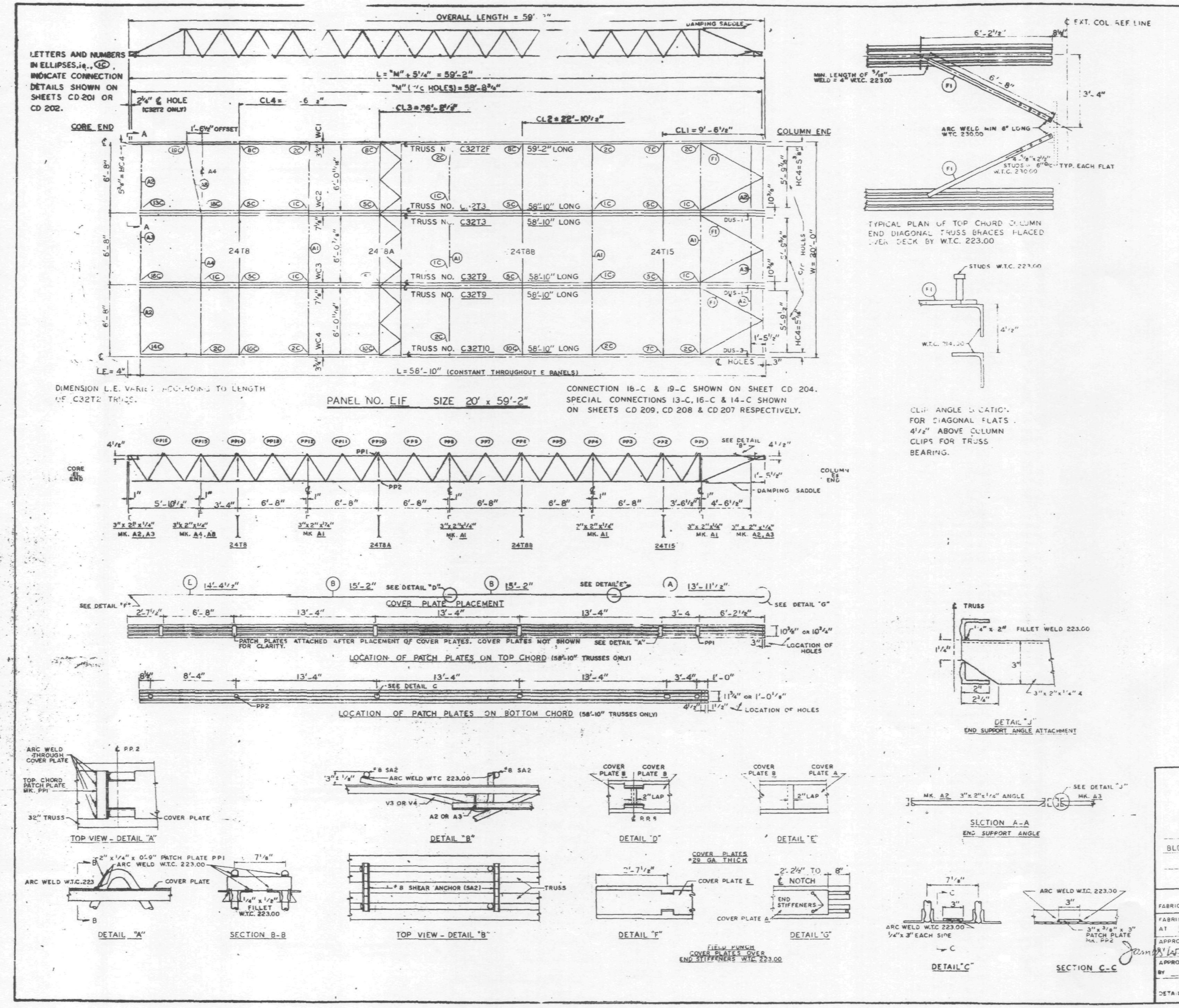
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 84-91, 93-106 (N)

PANEL E1B - 20' x 59'-8 1/2"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-11 7-22-68	PLATE
APPROVED FOR FABRICATION BY James W. [illegible] FOR P.O.N.Y.A.	DATE 11/15/68	DRAWN BY: gdc DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE NOV. 4, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: X CARL WEBER (stamp: LACLEDE STEEL CO.)		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E1B



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	DWG
FLOOR TRUSSES	T2F	1	C32T2F - 59'-2"	ST 202F
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24T8 - 19'-[illegible]	BT 208
	T8A	1	24T8A 19'-11"	BT 208A
	T8B	1	24T[illegible] - 19'-11"	BT 208B
	T15	1	2[illegible] - 19'-11"	BT [illegible]
3" x 2" x 1/4" ANGLE	A1	1	3" x 2" x 1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x 1/4" [illegible]	ST 403
	A3	2	3" x 2" x 1/4" 5'-11 5/8"	ST 403
	A4	1	3" x 2" x 1/4" x 13'-3"	ST 403
	A8	1	3" x 2" x 1/4" x 6'-8 5/8"	ST 405
DIAGONAL FLATS	F1	6	2" x 5/8" x 6'-9"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	C	3	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x 1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x 1/4" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .34" x 0'-9"	ST 400
	P3	1	4 1/2" x .34" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .34" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	" ϕ REBAR x 0'-[illegible]"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-11	7-22-68
7-AB4-1,3.1	1-3-68
7-AB4-15 & 16, 39	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

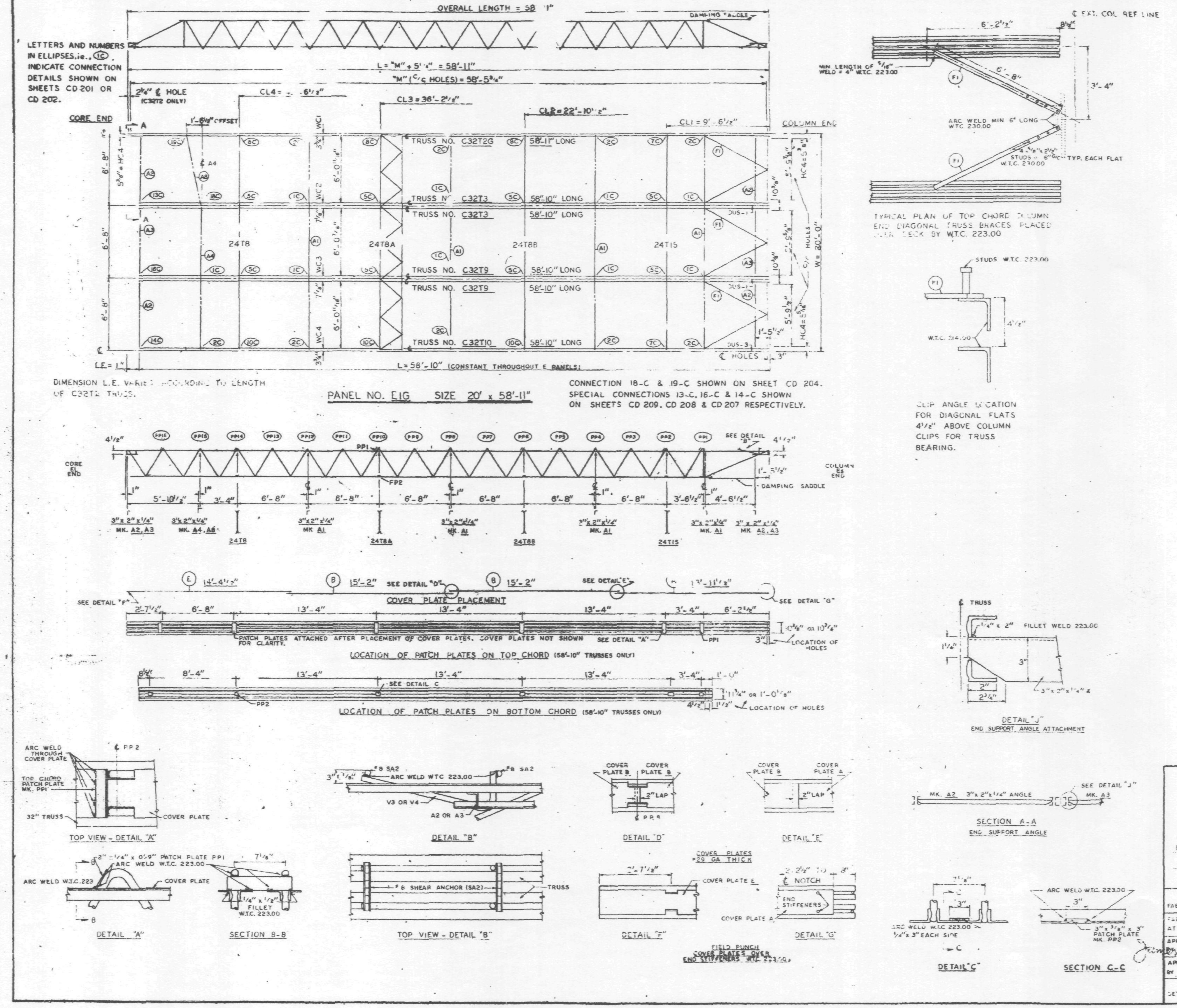
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 47-48, 70-71 (N)

PANEL E1F - 20' x 59'-2"

FABRICATION BY LACLEDE STEEL COMPANY

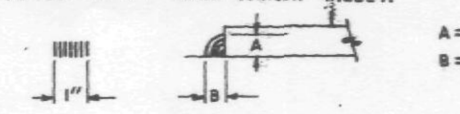
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-11 7-22-68	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 11/15/68	DRAWN BY gdc DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE NOV. 4, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E1F



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T2G	1	C32T2G - 58'-11"	ST 202G
	T3	2	C32T3 - 58'- [illegible]	ST 203
	T9	2	C32T9 - [illegible]	ST 209
	T10	1	C32T[illegible] 58'-10"	ST 210
BRIDGING TRUSSES	T8	1	24[illegible] - 19'-11"	BT [illegible]8
	T8A	1	[illegible] - 19'-11"	BT [illegible]A
	T8B	[illegible]	24T8B - 19'-11"	BT [illegible]8B
	T15	1	24T15 - [illegible] 11"	BT [illegible]
3"x 2"x ¼" ANGLE	A1	4	3" x 2" x [illegible] x 19'-11"	ST 403
	A2	4	3" x 2" x ¼" x 5'-1[illegible]"	ST 403
	A3	2	3" x 2" x ¼" x 5'-11[illegible]"	ST 403
	A4	1	[illegible]x 2" x ¼" x 1[illegible]' 3"	ST 403
	A8	1	3" x 2" x ¼" x 6'-8 5/16"	ST 405
DIAGONAL FLATS	F1	6	1½" x ⅝" x 6'-8"	ST 402
COVER PLATES	A	3	9" x .0135" x 13'-11½"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4½"	ST 303
ANGLE CLIP	C1	20	2" x 1½" x ¼" x 0'-8"	ST 400
	C2	4	2½" x 1½" x ¼" x 6"	ST 400
DAMPING SADDLE	DUS-1	2	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
	DUS-3	1	3½" x 3½" x ⅜" x 3'-6⅞"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB3	6	1⅝" ϕ x 1'-5"	ST 400
CONNECTION PLATES	P1	5	3½" x ⅜" x [illegible]½"	ST 400
	P2	1	4½" x .39" x 0'-9"	ST 400
	P3	1	4½" x .39" x 1'-0"	ST 400
	P5	3	4½" x ¼" x 1'-6"	ST 400
	P6	1	4½" x .39" x 0'-9"	ST 401
#8 SHEAR ANCHOR	SA2	6	#8 REBAR x 0'-3"	ST 400
PATCH PLATES	PP1	18	2" x ¼" x 0'-9"	ST 400
	PP2	18	3" x ⅜" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE ¼" x 1" FULL THROAT FILLET.



NO.	DATE	REVISION	BY

REF. DRWGS.

7-AB2-3 & 10	7-22-68
7-AB3-11	7-22-68
7-AB4-3, 3.1	1-3-68
7-AB4-15 & 16, 39	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB1-3	7-22-68
7-AB1-6,7 & 8	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

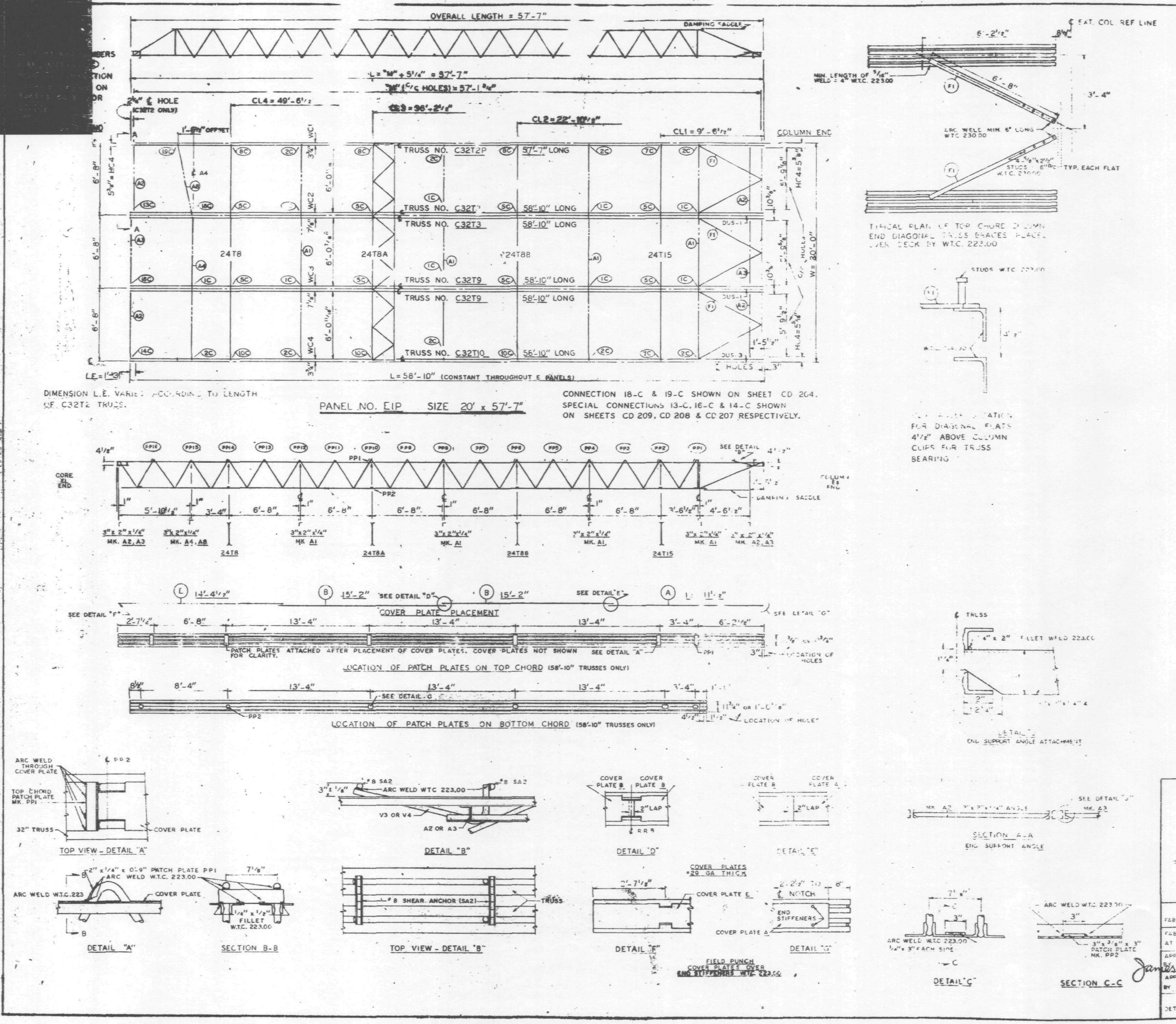
BLDG. A FLOORS 39-40 (N&S)

PANEL E1G - 20' x 58'-11"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7 AB3-11 7-22-68	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 11/15/68	DRAWN BY gdc DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M.CHURA DATE NOV. 4, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP E1G

[redacted]



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK.	PCS.	SIZE	DRWG
FLOOR TRUSSES	T2P	1	C32T2P - 57'-7"	ST 202P
	T3	2	C32T3 - 58'-10"	ST 203
	T9	2	C32T9 - 58'-10"	ST 209
	T10	1	C32T10 - 56'-10"	ST 2[illegible]
BRIDGING TRUSSES	T8	1	24T8 - 19'-11"	BT [illegible]8
	T8A	1	24T8A - 19'-1[illegible]	BT 208A
	T8B	1	24T8B - 19[illegible]	BT 208B
	T15	1	24T15 - [illegible]	BT 215
3"x 2"x1/4" ANGLE	A1	4	3" [illegible] x1/4" x 19'-11"	ST 403
	A2	4	3" x 2" x1/4" x 5'-1[illegible]"	[illegible] 403
	A3	2	3" x 2" x1/4" x 5'-1[illegible]"	ST 403
	A4	1	3" x 2" x1/4" x 1[illegible]'-3"	ST 403
	A8	1	3" x 2" x1/4" x 6'-3[illegible]"	ST 405
DIAGONAL FLATS	F1	6	1 1/2" x 5[illegible] 6'-8"	ST 402
COVER PLATES	A	3	9" x [illegible] x 13'-11 1/2"	ST 303
	B	6	9" x .0135" x 15'-2"	ST 303
	L	[illegible]	9" x .0135" x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	20	2" x 1 1/2" x1/4" x 0'-6"	ST 400
	C2	4	2 1/2" x 1 1/2" x1/4" x 6"	ST 400
DAMPING SADDLE	DU[illegible]	2	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-3	1	3 1/2" x 3 1/2" x [illegible] x 3'-6 7/8"	ST 298
CONNECTION BAR	CB1	1	1" ϕ x 1'-3"	ST 400
	CB2	6	1 3/16" ϕ x 1'-3"	ST 400
	CB[illegible]	6	1 5/8" ϕ x 1'-5"	ST 400
CONNECTION PLATES	F1	5	3 1/2" x 3/8" x [illegible]	ST 400
	F2	1	4 1/2" x .39" x 0'-9"	ST 400
	F[illegible]	1	4 1/2" x .39" x 1'-0"	ST 400
	F5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	PF	1	4 1/2" x .39" x 0'-9"	ST 401
#8 SHEAR [illegible]	SA2	6	#8 REBAR x 0'-8"	ST 400
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400

(1) ALL ARC WELD TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

(2) UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS TO BE 1/4" x 1" FULL THROAT FILLET.

A = 1/4"
B = 1/4"

NO	DATE	REVISION	BY

DESIGN DRWGS.	
7-AB2-3 & 10	7-22-68
7-AB3-11	7-22-68
7-AB4-1, 3, 1	1-3-68
7-AB4-15 & 16, 39	7-22-68
7-AB4-42	10-15-68
SA-124	10-11-68
7-AB-3	7-22-68
7-AB1-6, 7 & 8	7-22-68

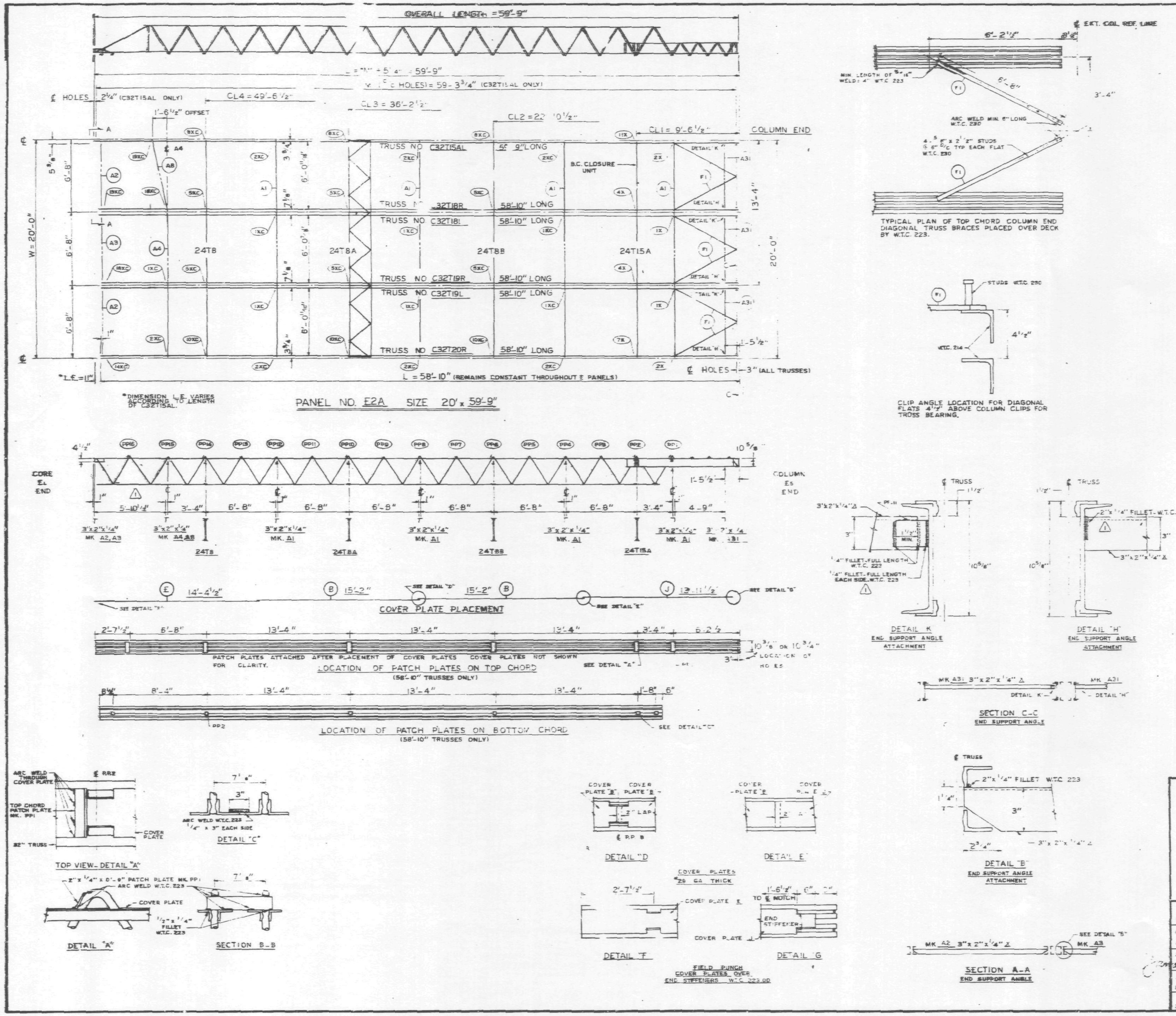
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 74 (N)

PANEL EIP - 20' x 57'-7"

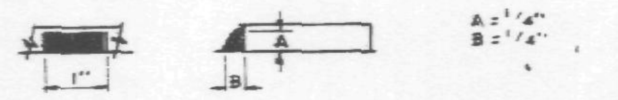
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7 AB3-11 7-22-68	PLATE
APPROVED FOR FABRICATION BY James White FOR PONYA	DATE 11/15/68	DRAWN BY: gdc DATE NOV. 1, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE NOV. 4, 1968	IN CHARGE OF PROD. DEV
DETAILED BY LACLEDE STEEL CO		FABRICATION CONT NO W.T.C. 221	SHEET N. FP EIP



REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T15AL	1	C32T15AL x 58'-9"	ST 215AL
	T18L	1	C32T18L x 58'-10"	ST [illegible]
	T18R	1	C32T18R x 58'-10"	
	T19L	1	C32T19L x 58'-10"	
	T19R	1	C32T19R x 58'-10"	[illegible] 19L
	T20R	1	C32T20R x 58'-10"	[illegible] 220L
BRIDGING TRUSSES	T8	1	24T8 x [illegible]	ST 208
	T8A	1	24T[illegible] x 19'-11"	ST 208
	T8B	1	24T8B x 19'-11"	ST 20[illegible]
	T15A	[illegible]	24T15A x 19'-11"	ST 215A
3"x 2"x 1/4" ANGLE	A1	4	3"x2"x 1/4"x 19'-[illegible]	ST 403
	A2	2	3"x2"x[illegible]x5'-[illegible]	ST 403
	A3	1	3"x2"x1/4x5'-[illegible]	ST 403
	A4	1	3"x[illegible]1/4"x13'-3"	ST 403
	A8	1	3"x 2"x 1/4"x 8'-8 5/8"	ST 405
	A31	3	3"x 2"x 1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3"[illegible]1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9"x .0135" x 15'-2"	ST 303
	E	3	9"x .0135" x 14'-4 1/2"	ST 303
	J	3	9"x .0135" x 13'-11 1/2"	ST 304
B C. CLOSURE UNIT	B.C.	1	1 1/4" D x 6'-6 1/2"	ST 215A
ANGLE CLIPS	C1	20	2"x 1 1/2"x .25"x 6"	ST 400
	C2	4	2 1/2"x 1 1/2"x .25"x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/8" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8"x 6 1/2"	ST 400
	P2	1	4 1/2"x .39"x 0'-9"	ST 400
	P3	1	4 1/2" x .39"x 1'-0"	ST 400
	P5	3	4 1/2"x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39"x 0'-9"	ST 401
	P9	6	3"x 1/2"x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie., (IK).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	BY
1	2-4-69	AS NOTED	G.D.C.

REF DRWG.

7-AB3-32	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

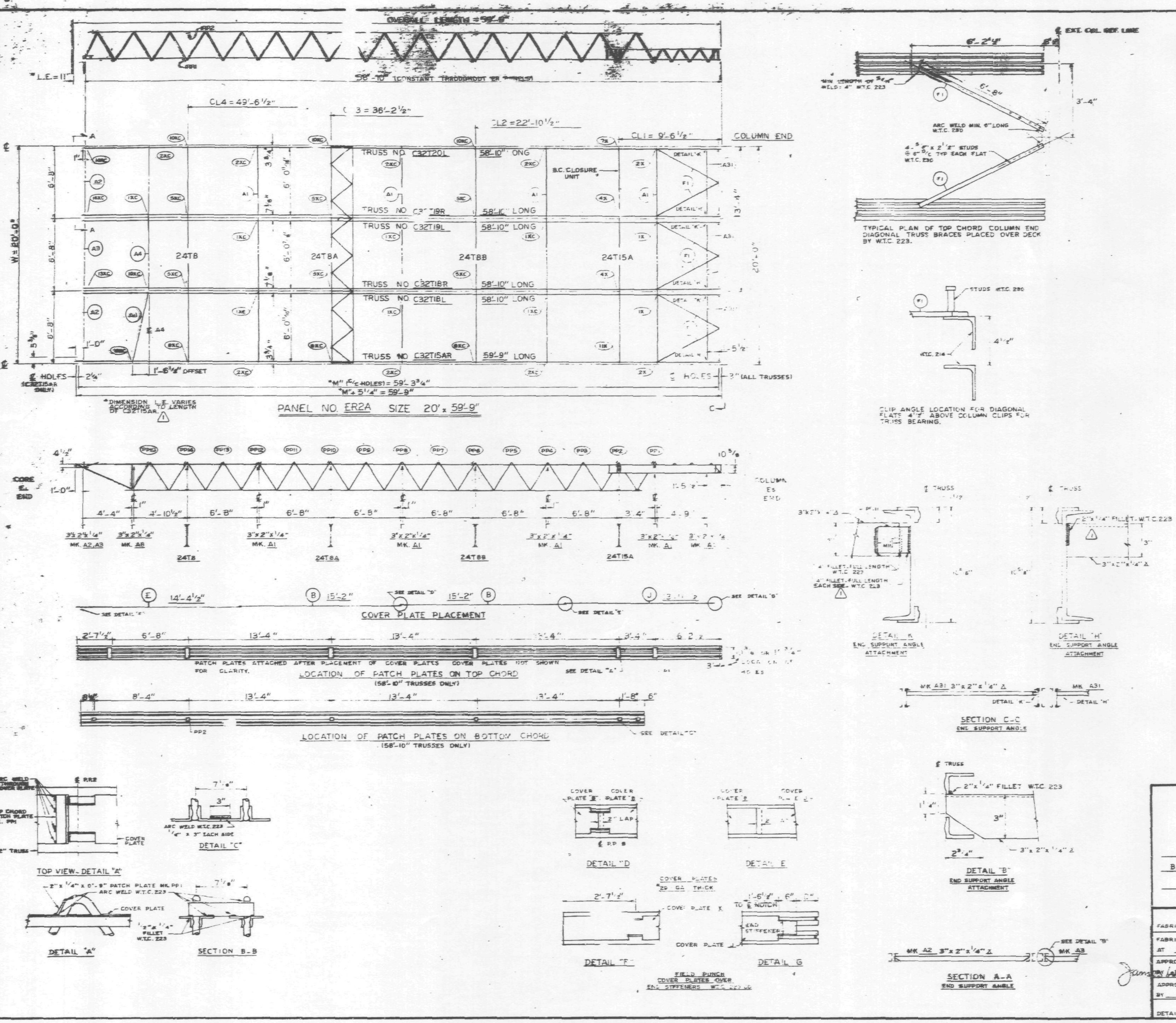
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL E2A - 20' x 59'-9"

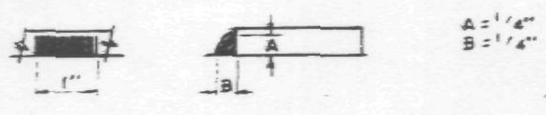
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-32	PLATE
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A	DATE 2/28/69	DRAWN BY [illegible] DATE DEC. 5, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE DEC. 5, 1968	IN CHARGE OF PROD. DEX
DETAILED BY A.C. WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO FP E2A



REQUIRED MATERIAL PER PANEL				REF. DWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	[illegible]	1	[illegible] x 59'-9"	ST 215AL
	[illegible]	1	[illegible]	ST 218
	[illegible]	1	[illegible]	
	[illegible]	1	[illegible]	
	T19R	1	C32T19R x 58'-10"	S[illegible]
	T20L	1	C32T20L x 58'-10"	ST 220L
BRIDGING TRUSSES	T8	1	24T8 x 19'-11"	BT 208
	T8A	1	24T8A x 19'-11"	BT 208A
	T8B	1	24T8B x 19'-11"	BT 208B
	T15A	1	24T15A x 19'-11"	BT 215A
3" x 2" x 1/4" ANGLE	A1	4	3"x2"x1/4"x 19'-11"	ST 403
	A2	2	3"x2"x1/4"x5'-11[illegible]	ST 403
	A3	1	3"x2"x1/4"x5'-1[illegible]	ST 403
	A4	1	3"x2"x1/4"x13'-3"	ST 403
	A8	1	3"x2"x1/4"x6'-8 5/8"	ST 405
	A31	3	3"x2"x1/4"x5'-8 1/8"	ST 410
CLOSURE PLATES	PF-11	3	3" x 1/4" x 0'-2 3/8"	ST 412
DIAGONAL FLATS	F1	6	1 1/2" x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	18	2" x 1/4" x 0'-9"	ST 400
	PP2	18	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	6	9" x .0135" x 15'-2"	ST 303
	E	3	9" x .0135" x 14'-4 1/2"	ST 303
	J	3	9" x .0135" x 13'-11 1/2"	ST 304
B.C. CLOSURE UNIT	B.C.	1	1'-4" D x 6'-6 1/2"	BT 215A
ANGLE CLIPS	C1	20	2" x 1 1/2" x .25" x 6"	ST 400
	C2	4	2 1/2" x 1 1/2" x .25" x 6"	ST 400
#8 SHEAR ANCHOR	SA2	0	#8 REBAR x 0'-9"	ST 400
CONNECTION BAR	CB1	2	1" Ø x 1'-3"	ST 400
	CB2	6	1 3/8" Ø x 1'-3"	ST 400
	CB3	6	1 5/8" Ø x 1'-5"	ST 400
CONNECTION PLATES	P1	4	3 1/2" x 3/8" x 6 1/2"	ST 400
	P2	1	4 1/2" x .39" x 0'-9"	ST 400
	P3	1	4 1/2" x .39" x 1'-0"	ST 400
	P5	3	4 1/2" x 1/4" x 1'-6"	ST 400
	P6	1	4 1/2" x .39" x 0'-9"	ST 401
	P8	6	3" x 1/2" x 1'-2"	ST 409

ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, ie. (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1" x 1/4" FULL THROAT FILLET.



NO.	DATE	REVISION	
1	2-4-69	AS NOTED	

REF. DRWG.

7-AB3-33	10-4-68
7-AB3-24	8-15-68
7-AB1-14, 17, 18 & 19	10-4-68
7-AB2-3	7-22-68
7-AB2-14	10-4-68
SA-124	10-11-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 25 (NORTH & SOUTH) 59 (NORTH)

PANEL ER2A - 20' x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS

DESIGN DRAWING NO 7-AB3-33, PLATE

APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 2/20/69

DRAWN BY L.R. DATE DEC. 5, 1968

APPROVED FOR FABRICATION BY ___ FOR FABRICATOR — LACLEDE STEEL CO. DATE

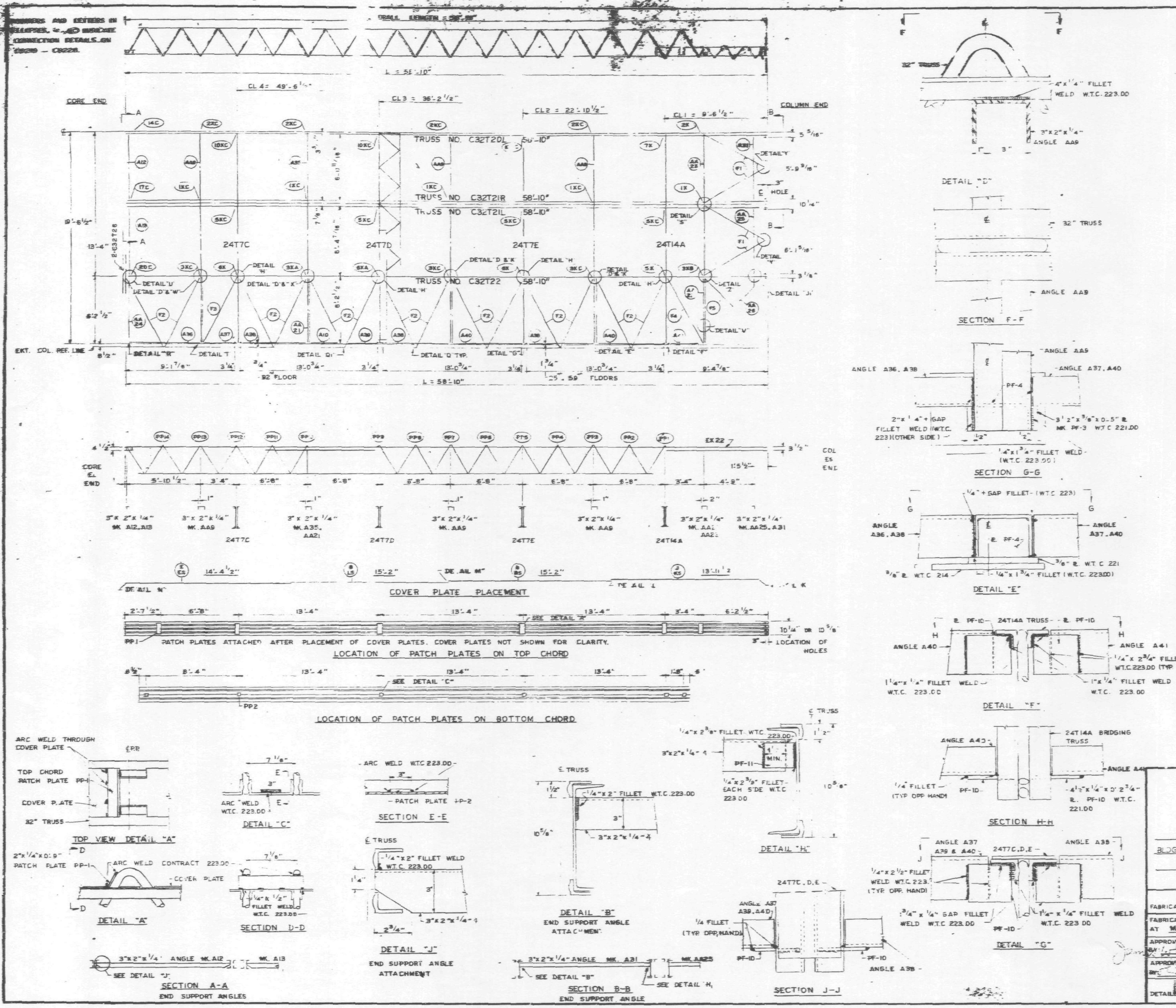
CHECKED BY T.W. CHURA DATE DEC. 5, 1968

IN CHARGE OF PROD. DEV.

DETAILED BY [illegible]

FABRICATION CONT. NO. W.T.C. 221

SHEET NO. FP ER2A



REQUIRED MATERIAL PER PANEL				SEE DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	20L	1	C32T20L-58'-10"	ST220
	21L	1	C32T21L-58'-10"	ST221
	21R	1	C32T21R-58'-10"	
	22	1	C32T22-58'-10"	ST
BRIDGING TRUSSES	T7C	1	24T7C - 19'-6"	BT207C
	T7D	1	24T7D -	BT207D
	T7E	1	24T7E - 19'-6"	BT207E
	T14A	1	24T14A - 19'-6"	BT214A
3"x 2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x2'-7 15/16"	ST404
	A12	1	3"x2"x1/4"x5'-11	ST404
	A13	1	3"x2"x 1/4"x 6'-2 ... 16"	ST404
	A31	1	3"x2"x 1/4"x 5'-8 1/8"	ST410
	A36	1	3"x2"x1/4"x5'-11 1/2"	ST410
	A37	1	3"x2"x1/4"x 2'-10"	ST410
	A38	3	3"x2"x1/4"x 6'-4"	ST410
	A39	1	3"x2"x 1/4"x 2'-9"	ST410
	A40	2	3"x2"x1/4"x 6'-2"	ST410
	A41	1	3"x2"x1/4"x 2'-10 3/4"	ST410
	A35	1	3"x2"x1/4"x 13'-3"	ST410
ANGLE ASSEMBLY	AA21	1	SEE REF. DRWG.	ST411
	AA22	1	SEE REF. DRWG.	ST411
	AA23	1	SEE REF. DRWG.	ST411
	AA24	1	SEE REF. DRWG.	ST412
	AA25	1	SEE REF. DRWG.	ST412
	AA26	1	SEE REF. DRWG.	ST412
	AA9	3	SEE REF. DRWG.	ST404
PATCH PLATES	PP1	6	2"x1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x D135"x 13'-11 1/2"	ST303
	Ks	1	3 1/2"x 0135"x 13'-11 1/2"	ST304
	B	2	9"x D135"x 15'-2	ST303
	Bs	1	3 1/2"x.0135"x 15'-2"	ST303
	Ls	1	3 1/2"x.0135"x 15'-2"	ST304
	E	1	9"x D135"x 14'-4 1/2"	ST303
	Es	1	3 1/2"x.D135"x 14'-4 1/2"	ST303
ANGLE CLIPS	C2	16	2 1/2"x1 1/2"x 1/4"x0'6"	ST400
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2 / F2R	7 / 7	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0"	ST402
	F5	1	1 1/2"x 5/8"x 4'-4"	ST402
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-3	5	3 1/2"x 3/8"x 0'-5"	ST400
	PF-7	1	5"x 3/8"x 0'-4"	ST401
	PF-8	5	3 1/2"x 1/4"x 0'-2 7/8"	ST401
	PF-10	8	4 1/2"x 1/4"x 0'-2 3/4"	ST401
	PF-11	1	3"x 1/4"x 0'-2 3/8"	ST412
EXTENDED END	EX 22	1	SEE REF DRWG	ST 222

NO.	DATE	REVISION	BY
1	2-5-69	GENERAL	

SEE SHEET FP-F2-2 FOR NOTES, REF. DRWG & ADDITIONAL DETAILS

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

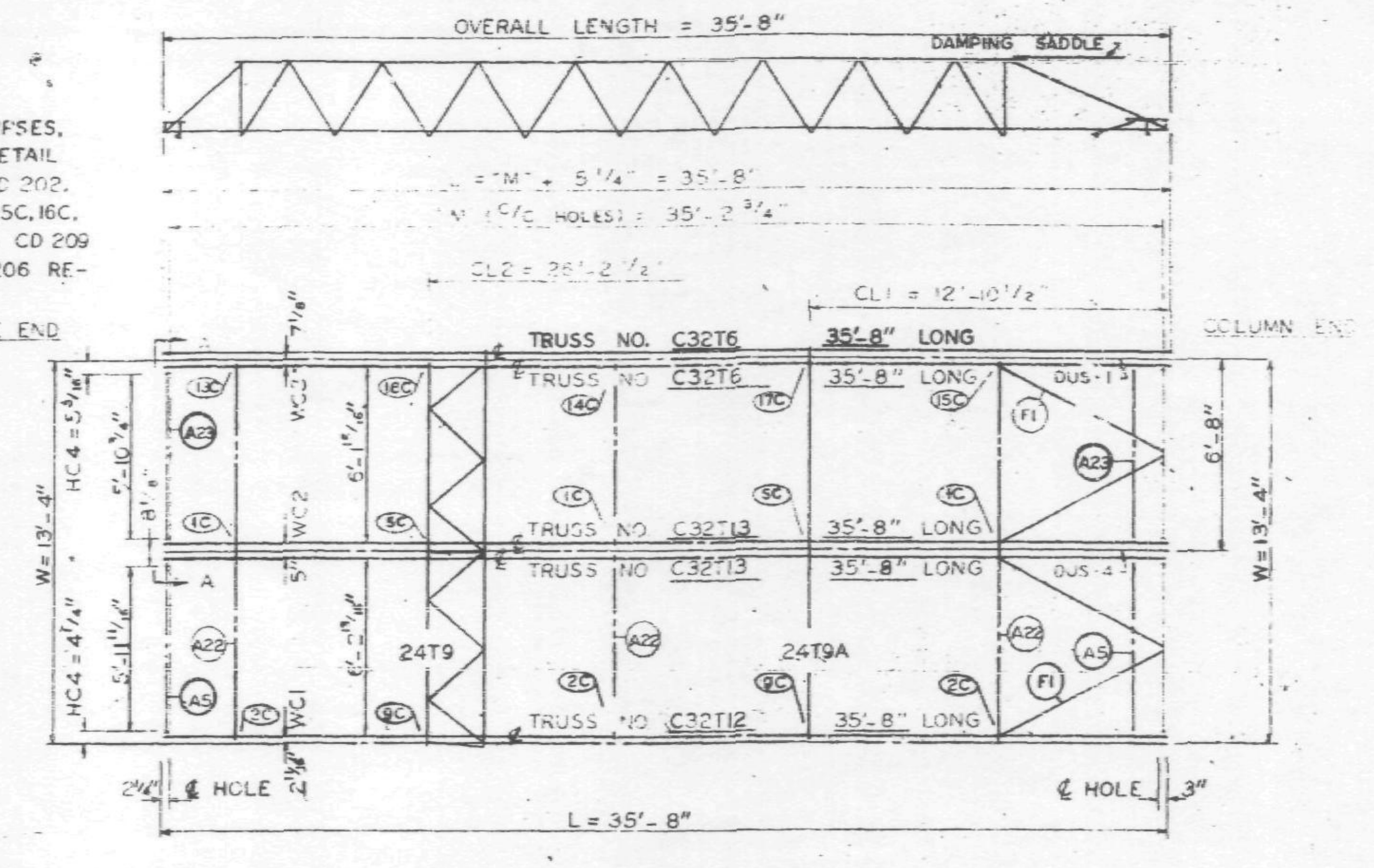
BLDG A FLOORS 25, 59 & 92 (NORTH & SOUTH)

PANEL F2 19'-6" x 58'-10"

FABRICATION BY LACLEDE STEEL COMPANY

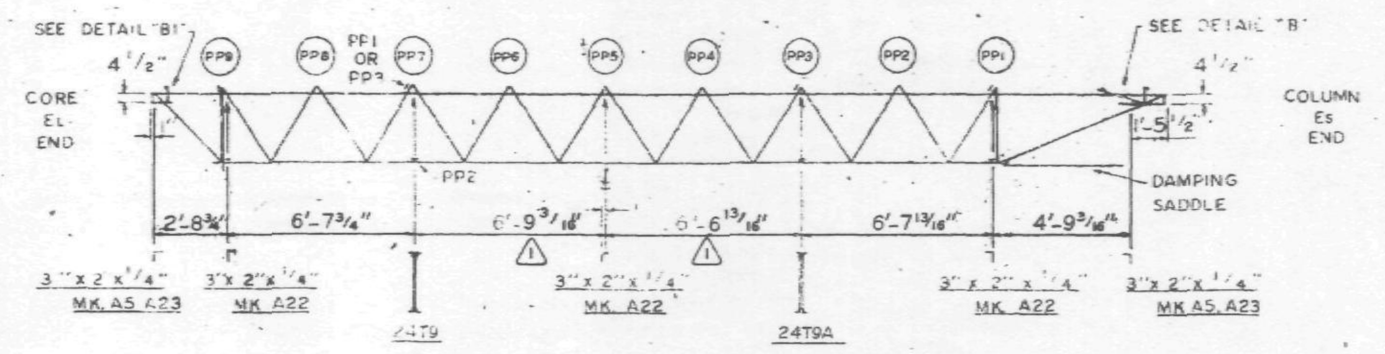
FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-34	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. — DATE	DRAWN BY: — DATE - DEC 3, 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR — DATE	CHECKED BY: T.M.CHURA DATE DEC 4, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A. CARL WEBER (stamp: LACLEDE STEEL CO.)	FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F2

LETTERS AND NUMBERS IN ELLIPSES, i.e. (15), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 209 CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.



PANEL GRI SIZE 13'-4" x 35'-8"

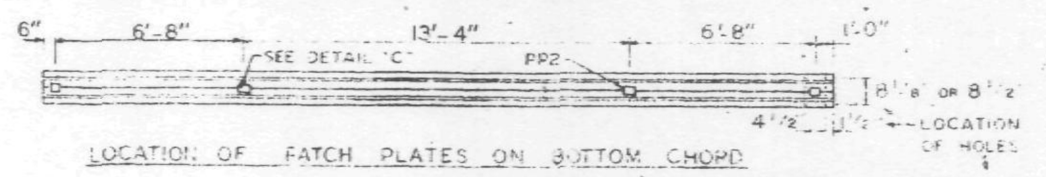
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.



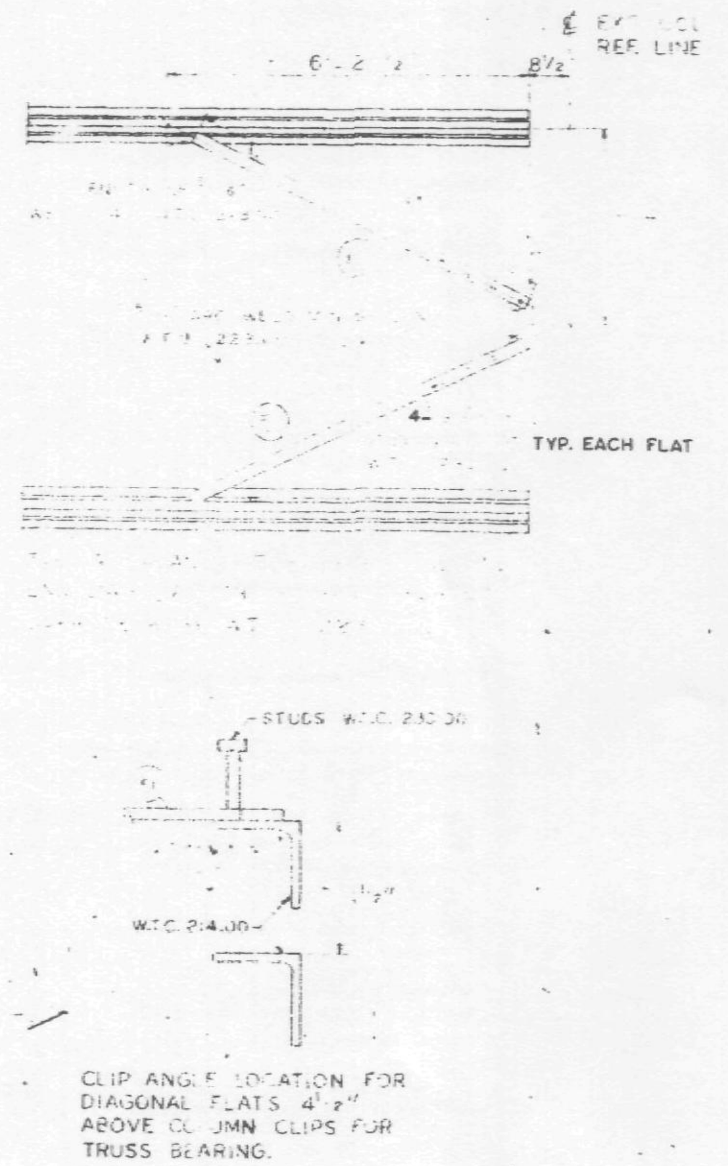
PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6.
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.

* PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.

LOCATION OF PATCH PLATES ON TOP CHORD



LOCATION OF PATCH PLATES ON BOTTOM CHORD

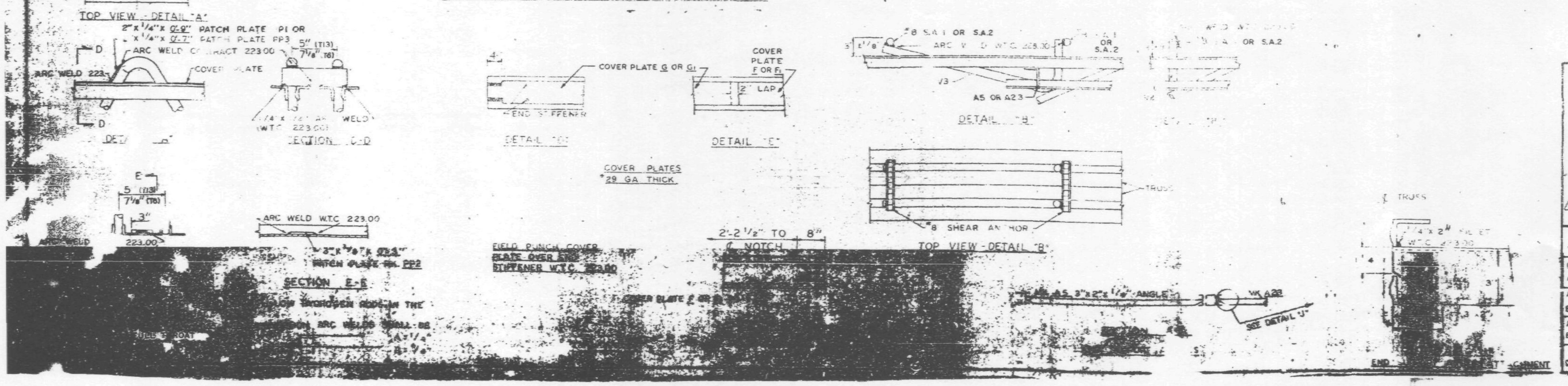


COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13.
COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6.
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13.
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T6	2	C32T6 - 35'-8"	ST 206
	T12	1	C32T12 - 35'-8"	ST 212
	T13	2	C32T13 - 35'-8"	ST 213
[illegible]	T9	1	24T9 - 13'-2 3/4"	ST 209
	T9A	1	24T9A - 13'-2 3/4"	ST 209A
[illegible]	A5	2	3" x 2" x 1/4" x 6'-1 13/16"	ST 403
	A22	3	3" x 2" x 1/4" x 13'-3 1/2"	ST 405
	A23	2	3" x 2" x 1/4" x 6'-0 7/8"	ST 405
[illegible]	F1	4	[illegible] x 5/8" x 6'-8"	ST 402
PATCH PLATES	PP1	4	2" x 1/4" x 0'-9"	ST 400
	PP2	8	3" x 3/8" x 0'-3"	ST 400
	PP3	4	2" x 1/4" x 0'-7"	ST 400
COVER PLATES	G1	1	7" x .0135" x 17'-10 1/2"	ST 303
	F1	1	7" x .0135" x 17'-3 1/2"	ST 303
	G	1	9" x .0135" x 17'-10 1/2"	ST 303
	F	1	9" x .0135" x 17'-3 1/2"	ST 303
ANGLE CLIPS	C1 ← Up to Fl 33 Tower A			
(2)	C1	8*	2" x 1 1/2" x 1/4" x 6"	ST 400 ← Fl 34 up
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
	SA2	3	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-4	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
	DUS-1	1	3 1/2" x 3 1/2" x 3/8" x 3'-6 7/8"	ST 298
CONNECTION PLATES				
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.	ST 274
	14C	1	SEE REF. DRWG.	ST 272
	15C	1	SEE REF. DRWG.	ST 270
	16C	1	SEE REF. DRWG.	ST 273
	17C	1	SEE REF. DRWG.	ST 271

(2) * CHANGE BECOMES EFFECTIVE AFTER 33RD FLOOR, TOWER A.

NO.	DATE	REVISION	BY
(2)	4-18-69	AS NOTED	G.D.C.
(1)	2-21-69	AS NOTED	G.D.C.



SKILLING - HELLE CHRISTIANSEN - ROBERTSON Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 5/15/69 By SK

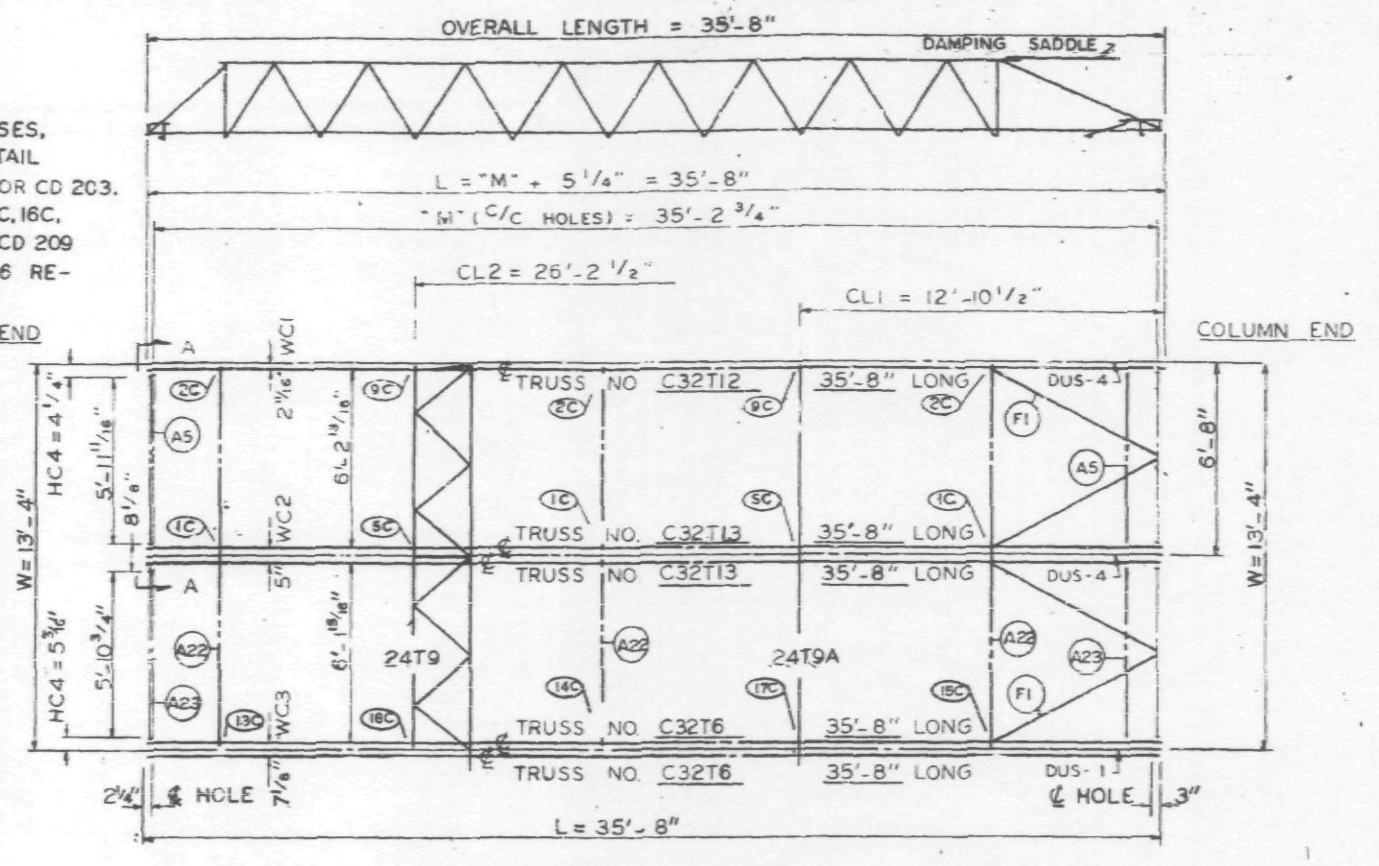
REF DRWG	
AB4-3 & 31	1-3-68
7 AB4-15 & 16	5-8-68
7 AB4-39-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2-4	4-1-68
7-AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 & -106 (EAST & WEST) 79-83 (W) 46-49 (E) PANEL GRI -- 13'-4" x 35'-8"
(2) BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91 & 93-106 (N & S) 79-83 (N) 46-49 (S)

FABRICATION BY LACLEDE STEEL COMPANY

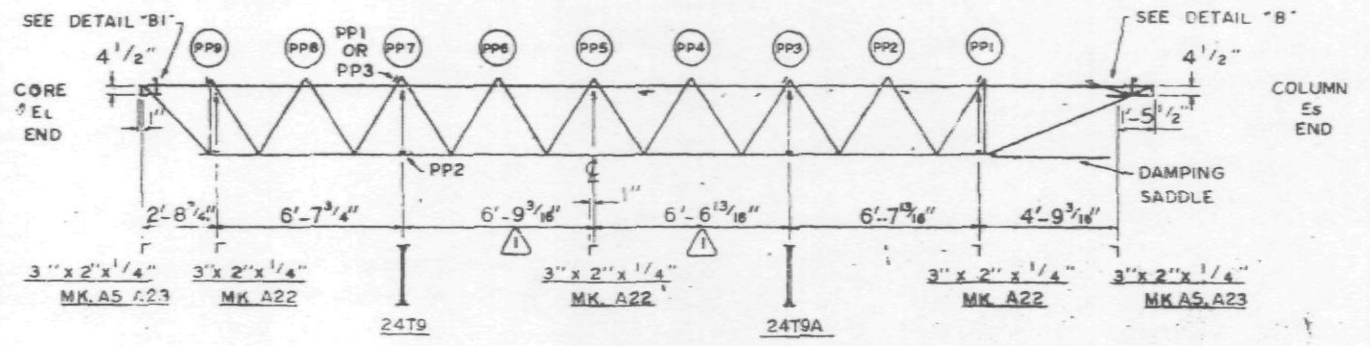
FABRICATED AT MADISON, ILLINIOIS	DESIGN DRAWING 7-AB3-16
APPROVED FOR FABRICATION BY ____ FOR P.O.N.Y.A. DATE	DRAWN BY / DATE
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR DATE	CHECKED BY / DATE
DETAILED BY	FABRICATION W.T.C. 22[illegible]



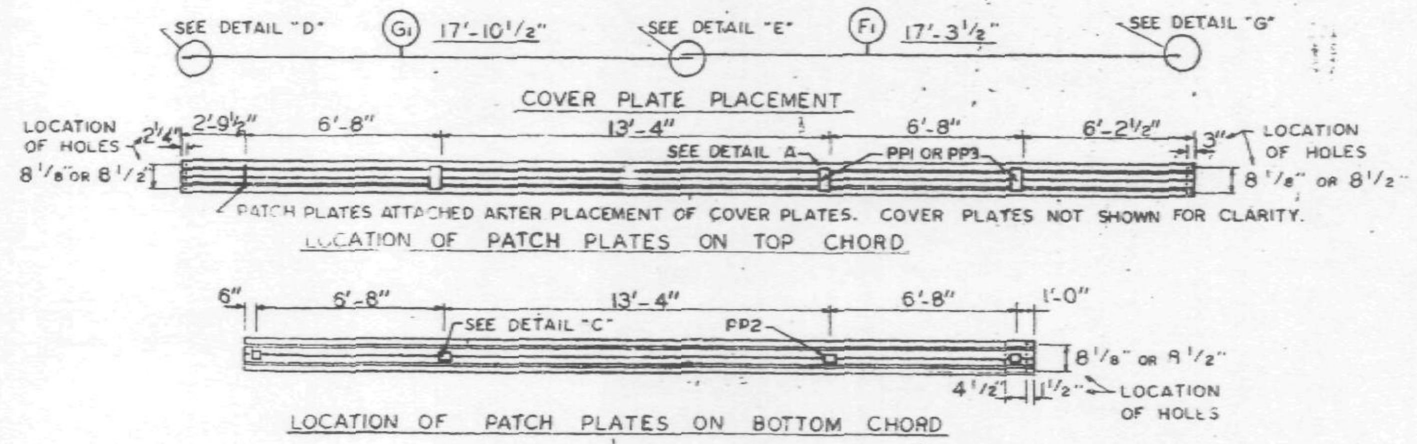
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201, CD202 OR CD 203. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 209 CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

PANEL G1 SIZE 13'-4" x 35'-8"



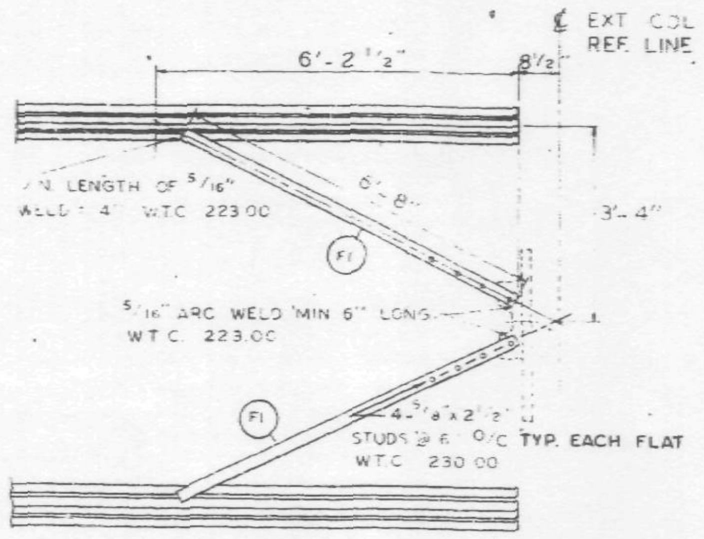
PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6.
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.



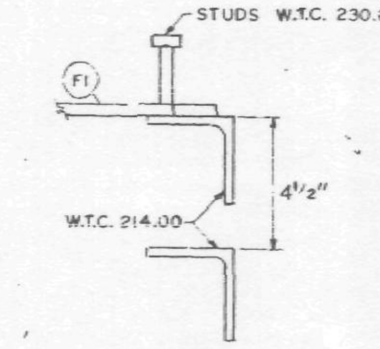
COVER PLATE PLACEMENT

LOCATION OF PATCH PLATES ON TOP CHORD

LOCATION OF PATCH PLATES ON BOTTOM CHORD



TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00



CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

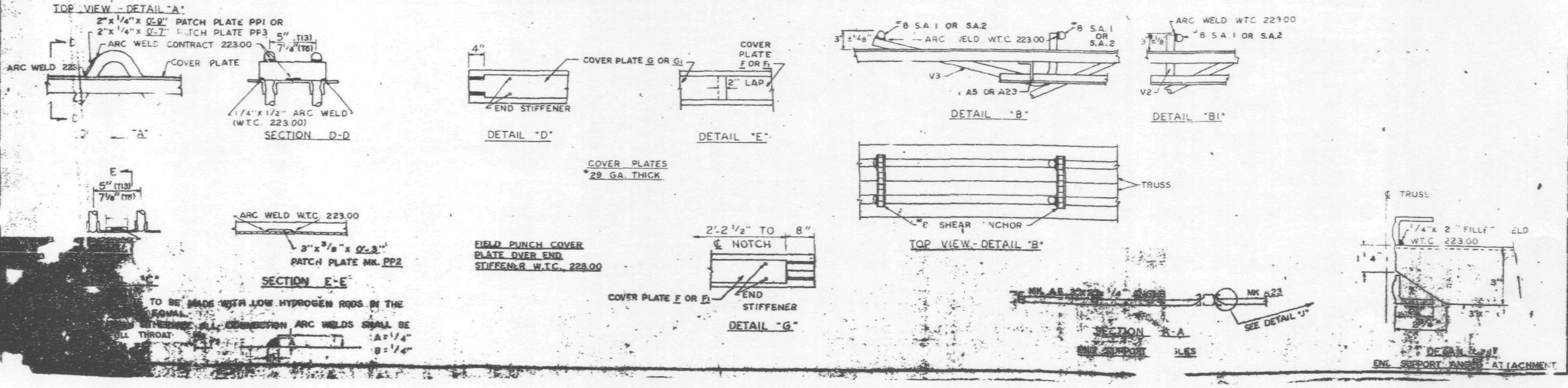
COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13.
COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6.
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13.
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T6	2	C32T6 - 35'-8"	ST 208
	T12	1	C32T12 - 35'-8"	ST 212
	T13	2	C32T13 - 35'-8"	ST 213
BRIDGING TRUSSES	T9	1	24T9 - 13'-2 3/4"	BT 209
	T9A	1	24T9A - 13'-2 3/4"	BT 209A
3"x2"x1/4" ANGLE	A5	2	3"x2"x1/4"x6'-1 13/16"	ST 403
	A22	3	3"x2"x1/4"x13'-3 1/2"	ST 405
	A23	2	3"x2"x1/4"x6'-0 7/8"	ST 405
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST 402
PATCH PLATES	PP1	4	2"x1/4"x0'-9"	ST 400
	PP2	8	3"x3/8"x0'-3"	ST 400
	PP3	4	2"x1/4"x0'-7"	ST 400
COVER PLATES	G1	1	7"x.0135"x17'-10 1/2"	ST 303
	F1	1	7"x.0135"x17'-3 1/2"	ST 303
	G	1	9"x.0135"x17'-10 1/2"	ST 303
	F	1	9"x.0135"x17'-3 1/2"	ST 303
ANGLE CLIPS				ST 400
(2)	C1	8*	2"x1 1/2"x1/4"x6"	ST 400
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
	SA2	3	#8 REBAR x 0'-9"	ST 400
DAMPING SADDLE	DUS-4	1	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST 298
	DUS-1	1	3 1/2"x3 1/2"x3/8"x3'-6 3/8"	ST 298
CONNECTION PLATES				
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.	ST 274
	14C	1	SEE REF. DRWG.	ST 272
	15C	1	SEE REF. DRWG.	ST 270
	16C	1	SEE REF. DRWG.	ST 273
	17C	1	SEE REF. DRWG.	ST 271

(2) *CHANGE BECOMES EFFECTIVE AFTER FLOOR 33, TOWER A.

Fl 33 down
Fl 33 up

NO.	DATE	REVISION	BY
2	4-18-69	AS NOTED	G.D.C.
1	2-21-69	AS NOTED	G.D.C.



ARC WELD THROUGH COVER PLATE
TOP CHORD PATCH PLATE PP1 OR PP3
32" TRUSS
COVER PLATE
TOP VIEW - DETAIL "A"

2"x1/4"x0'-9" PATCH PLATE PP1 OR 2"x1/4"x0'-7" PATCH PLATE PP3
DETAIL "A"
SECTION D-D

DETAIL "D"
DETAIL "E"
COVER PLATES 29 GA. THICK

SECTION E-E

3"x3/8"x0'-3" PATCH PLATE MK. PP2

FIELD PUNCH COVER PLATE OVER END STIFFENER W.T.C. 223.00

DETAIL "G"

DETAIL "B"
DETAIL "B1"
TOP VIEW - DETAIL "B"

SECTION "R-A"

END SUPPORT ANGLE ATTACHMENT

... TO BE MADE WITH LOW HYDROGEN RODS IN THE ... ALL CONNECTION ARC WELDS SHALL BE ... FULL THROAT.

REF. DRWG.	
7-AB4-3 & 3.1	1-3-69
7-AB4-15 & 16	5-6-68
7-AB4-39-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2-6	2-15-68
7-AB4-42	4-1-68

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
☐ APPROVED
☒ APPROVED AS NOTED
☐ RESUBMIT
☐ REJECTED
Date 5/15/69 By SK

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 & 93-106 (E & W) 45-49 (W) 80-83 (E) PANEL G1 - 13'-4" x 35'-8"

(2) BLDG. B FLOORS 14-24, 26-40, 50-58, 60-74, 84-91, 93-106 (N & S) 80-83 (N) 45-49 (S)

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS	DESIGN DRAWING NO. 7-AB3-15 5-10-68
APPROVED FOR FABRICATION BY ______ FOR P.O.N.Y.A. DATE	DRAWN BY ... DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY LACLEDE STEEL CO. DATE	CHECKED BY T.M. CHUNG DATE APRIL 10, 1968
DETAILED BY ...	FABRICATION CONT. NO. W.T.C. 221

FP-G1

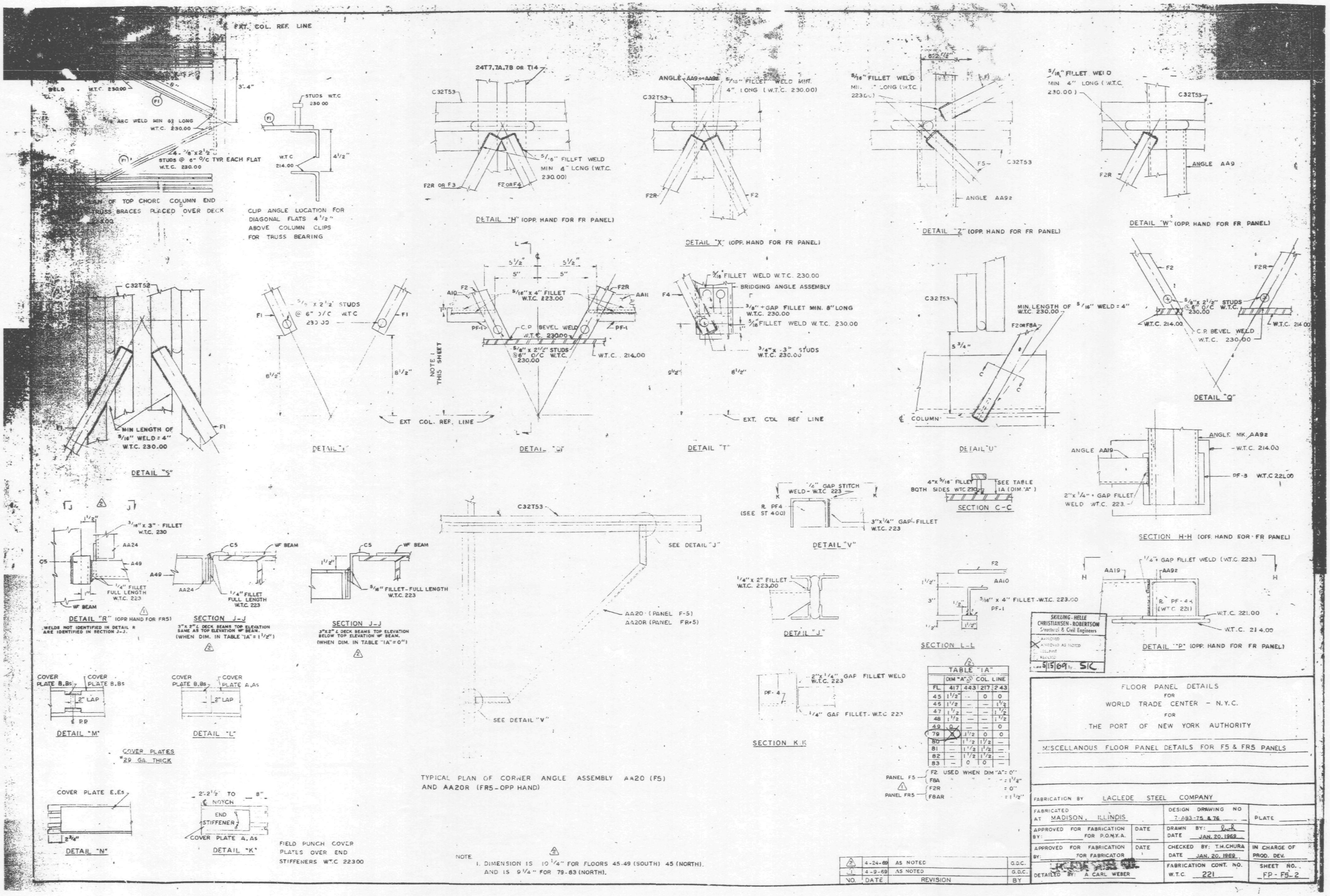


TABLE "IA"

FL.	DIM "A" @ COL. LINE 417	443	217	243
45	1 1/2"	--	0	0
46	1 1/2	—	—	1 1/2
47	1 1/2	—	—	1 1/2
48	1 1/2	—	—	1 1/2
49	0	—	—	0
79	[illegible]	1 1/2	0	0
80	—	1 1/2	1 1/2	—
81	—	1 1/2	1 1/2	—
82	—	1 1/2	1 1/2	—
83	—	0	0	—

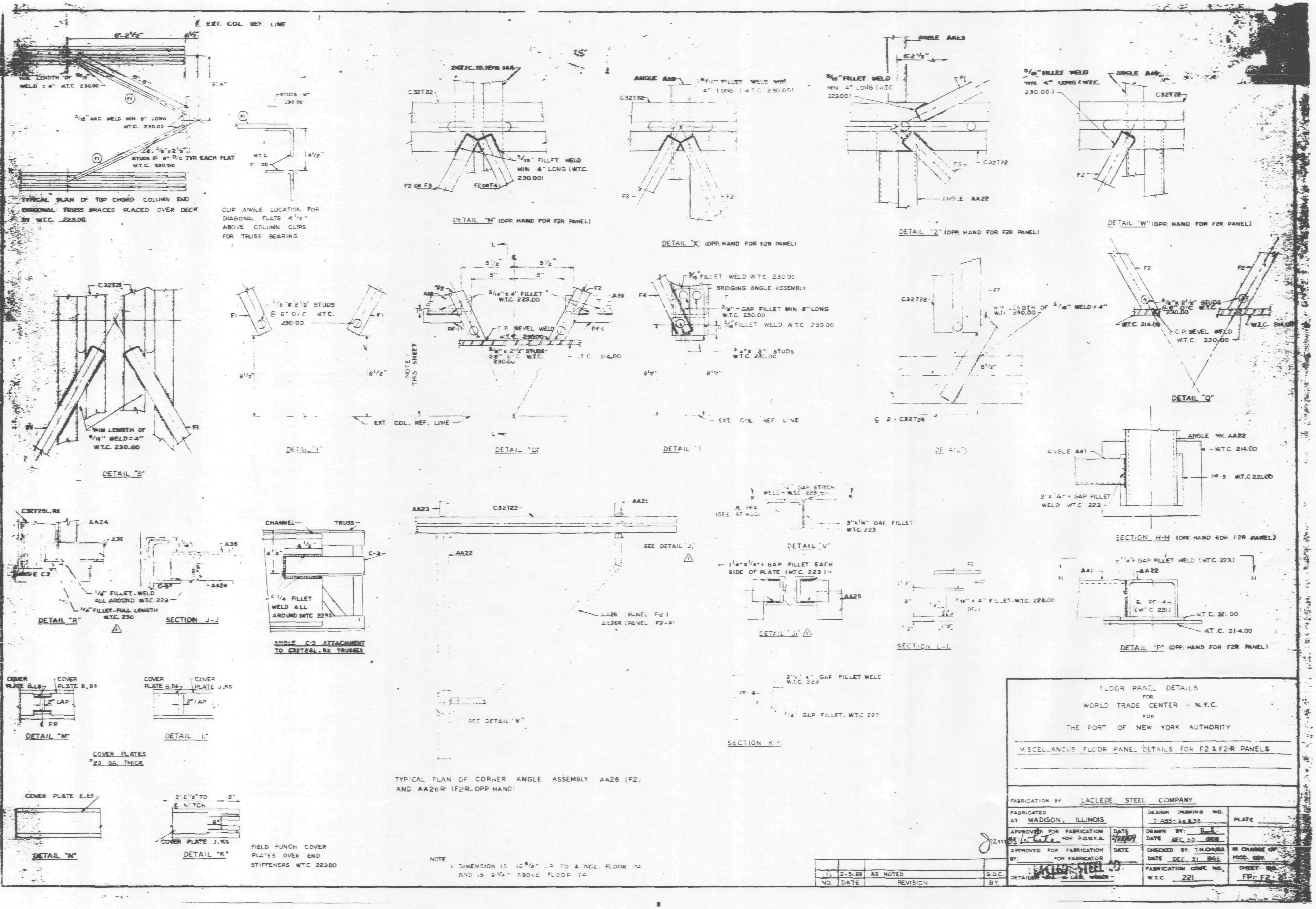
PANEL F5 — F2 USED WHEN DIM "A" = 0"; F8A " " " = 1 1/4"
PANEL FR5 — F2R " " " = 0"; F8AR " " " = 1 1/2"

NO.	DATE	REVISION	BY
2	4-24-69	AS NOTED	G.D.C.
1	4-9-69	AS NOTED	G.D.C.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANOUS FLOOR PANEL DETAILS FOR F5 & FR5 PANELS

FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO 7-A83-75 & 76
PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. DATE
DRAWN BY: [signature] DATE JAN. 20, 1969
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE
CHECKED BY: T.M.CHURA DATE JAN. 20, 1969
IN CHARGE OF PROD. DEV.
DETAILED BY: A CARL WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP - F5 - 2

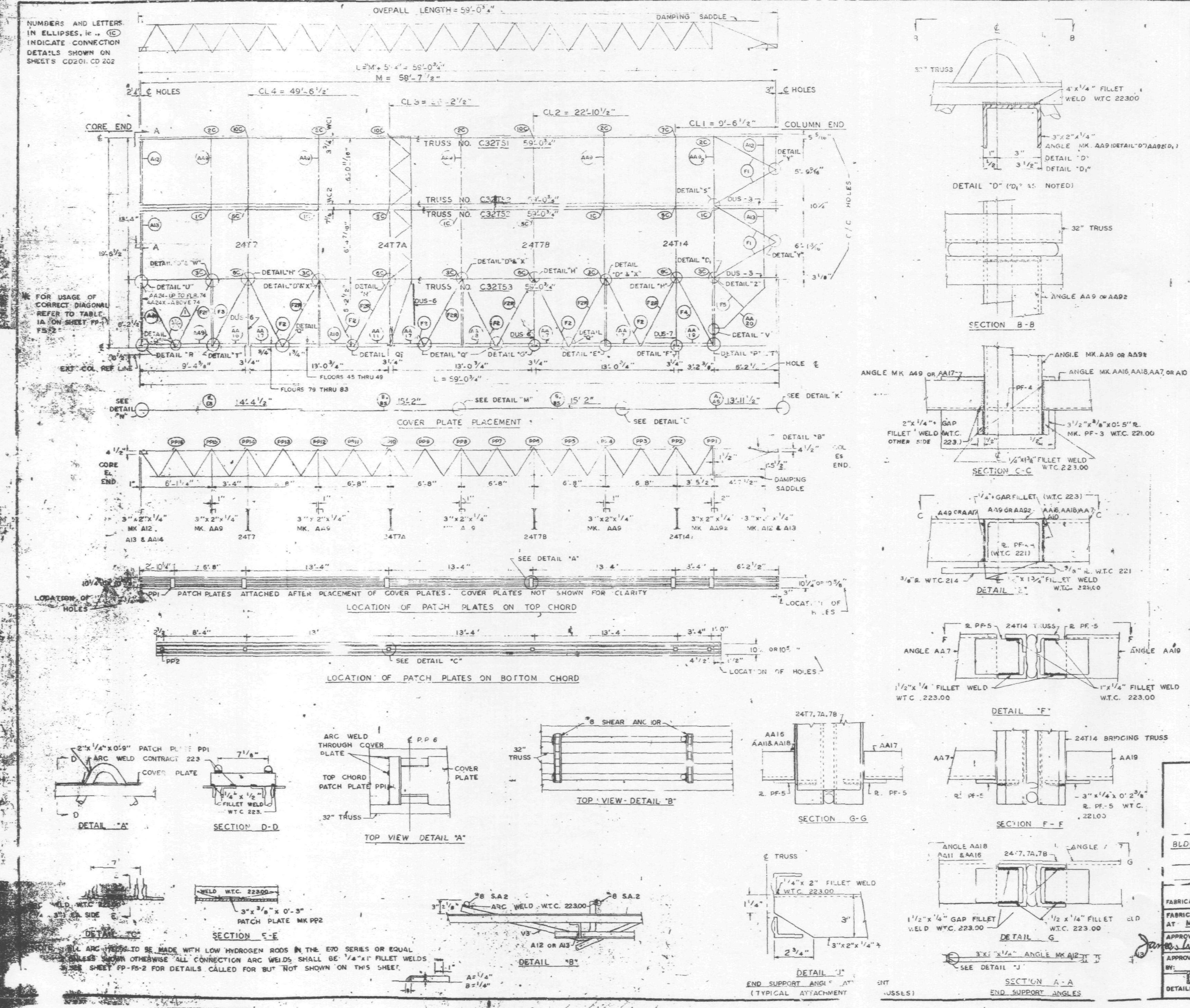


FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANEOUS FLOOR PANEL DETAILS FOR F2 & F2-R PANELS

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-34 & 35	PLATE
APPROVED FOR FABRICATION BY: James White FOR P.O.N.Y.A.	DATE 2/28/69	DRAWN BY: R.K. DATE DEC. 30 1968	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.N.CHUBA DATE DEC. 31 1968	IN CHARGE OF PROD. DEV.
DETAILED BY W. CARL WEBER (LACLEDE STEEL CO.)		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F2-2

NO.	DATE	REVISION	BY
1	2-5-69	AS NOTED	G.D.C.



REQUIRED MATERIAL, PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS	SIZE	
FLOOR TRUSSES	TS1	1	C32TS1 - 59'-0 3/4"	ST251
	TS2	2	C32TS2 - 59'-0 3/4"	ST252
	TS3	1	C32TS3 - 59'-0 3/4"	ST253
BRIDGING TRUSSES	T7	1	24T7 - 19'-6"	BT207
	T7A	1	24T7A - 19'-6"	BT207A
	T7B	1	24T7B - 19'-6"	BT207B
	T14	1	24T14 - 19'-6"	BT214
3"x 2"x 1/4" ANGLES	A10	1	3"x2"x1/4"x2'-7 15/16"	ST 404
	A12	2	3"x2"x1/4"x5'-11 11/16"	ST 404
	A13	2	3"x2"x1/4"x6'-3 7/16"	ST 404
	A49	1	3"x2"x1/4"x6'-0 11/16"	ST 413
ANGLE ASSEMBLY ** (AA24 IS REPLACED BY AA24X ABOVE FLR. 74) ⚠1	AA7	1	SEE REF. DRWG.	ST 404
	AA9	4	SEE REF. DRWG.	ST 404
	AA9 2	1	SEE REF. DRWG.	ST 404
	AA11	1	SEE REF. DRWG.	ST 404
	AA16	1	SEE REF. DRWG.	ST 404
	AA17	3	SEE REF. DRWG.	ST 404
	AA18	1	SEE REF. DRWG.	ST 404
	AA19	1	SEE REF. DRWG.	ST 404
	** AA24	1	SEE REF. DRWG.	ST 412
DIAGONAL FLATS	F1	4	1 1/2"x 5/8"x 6'-8"	ST402
	F2 / F2R	6 * / 7	1 1/2"x 5/8"x 6'-10 1/2"	ST402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST402
	F4	1	1 1/2"x 5/8"x 7'-0	ST402
	F5	1	1 1/2"x 5/8 x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST400
	PP2	6	3"x 3/8"x 0'-3"	ST400
COVER PLATES	A	1	9"x.0135"x13'-11 1/2"	ST303
	B	2	9"x.0135"x15'-2"	ST303
	E	1	9"x.0135"x14'-4 1/2"	ST303
	As	1	3 1/2"x.0135"x13'-11 1/2"	ST303
	Bs	2	3 1/2"x.0135"x15'-2	ST303
	Es	1	3 1/2"x.0135"x14'-4 1/2"	ST303
DIAGONAL FLAT	F8A	*	SEE REF. DRWG.	ST 415
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST400
DAMPING SADDLE	DUS-3	1	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST298
	DUS-5	1	3 1/2"x3 1/2"x 3/8"x3'-6 7/8"	ST299
	DUS-6	3	3 1/2"x3 1/2"x 3/8"x4'-4 7/8"	ST299
	DUS-7	1	3 1/2"x3 1/2"x 3/8"x4'-4 7/8"	ST299
MISC PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST400
	PF-3	5	3 1/2"x 3/8"x 0'-3"	ST400
CONN ANGLE	C5	1	3 x 2 x 3/8 x 0-3	ST 413
ANGLE CLIP ⚠1	C1	12	2"x 1 1/2"x 1/4"x 0'-6"	ST400
	C2	4	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST400
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF. DRWG	ST405

NO	DATE	REVISION	BY
⚠1	4-9-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB1-46	11-25-68	SA-124	1-6-69
7-AB1-47	11-25-68	7-AB4-14,14.1	10-15-68
7-AB1-48	11-25-68	7-AB4-15,16	7-22-68
7-AB2-2	7-22-68	7-AB4-21	7-22-68
7-AB2-9	7-22-68	7-AB4-23 25	7-22-68
7-AB3-70	11-25-68	7-AB4-29	1-3-69
7-AB3-75	11-25-68	7-AB4 39-41, 43	7-22-68
7-AB4-3	10-15-68	7-AB4-42	10-15-68
		7-AB4-45	12-20-68

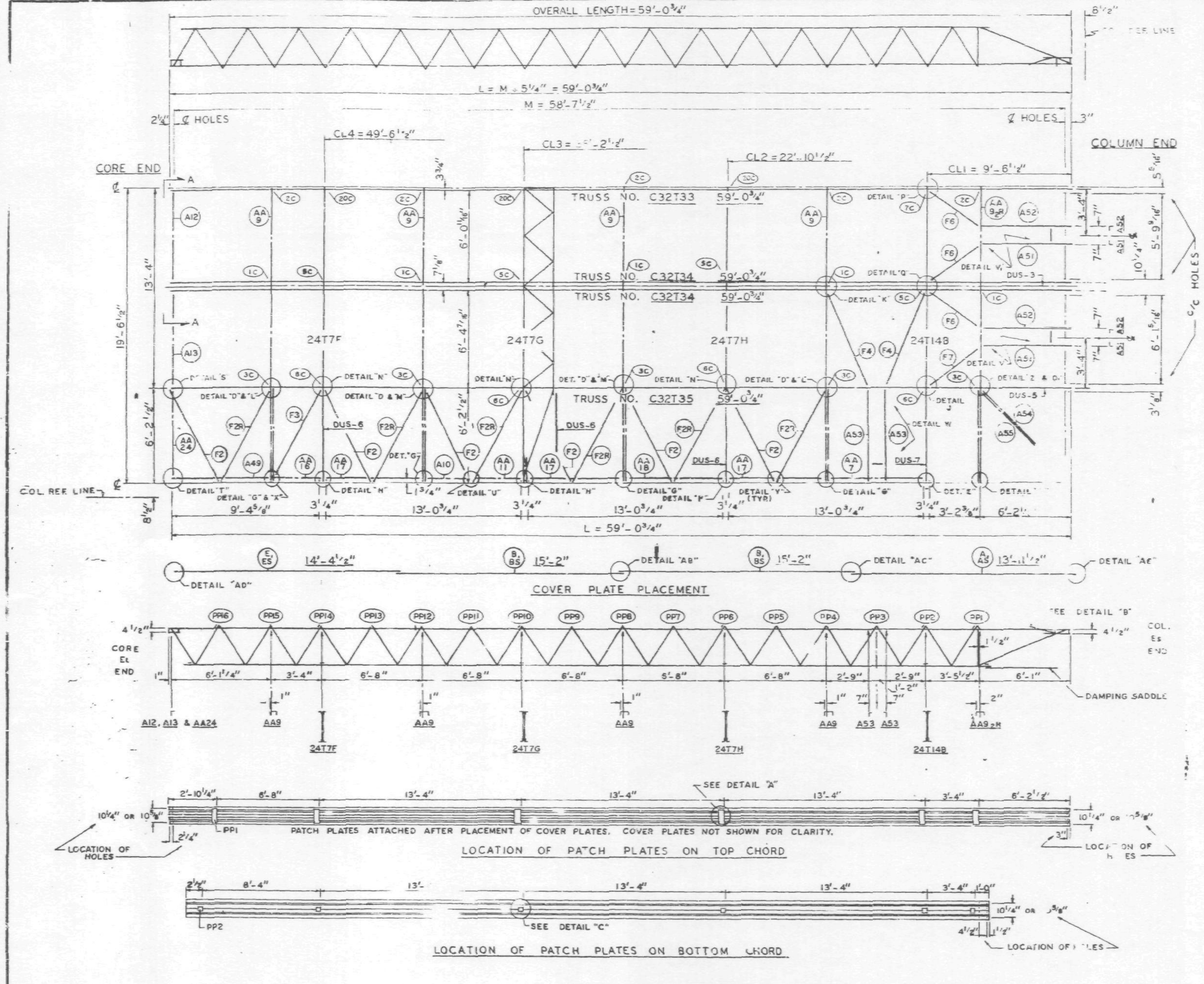
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

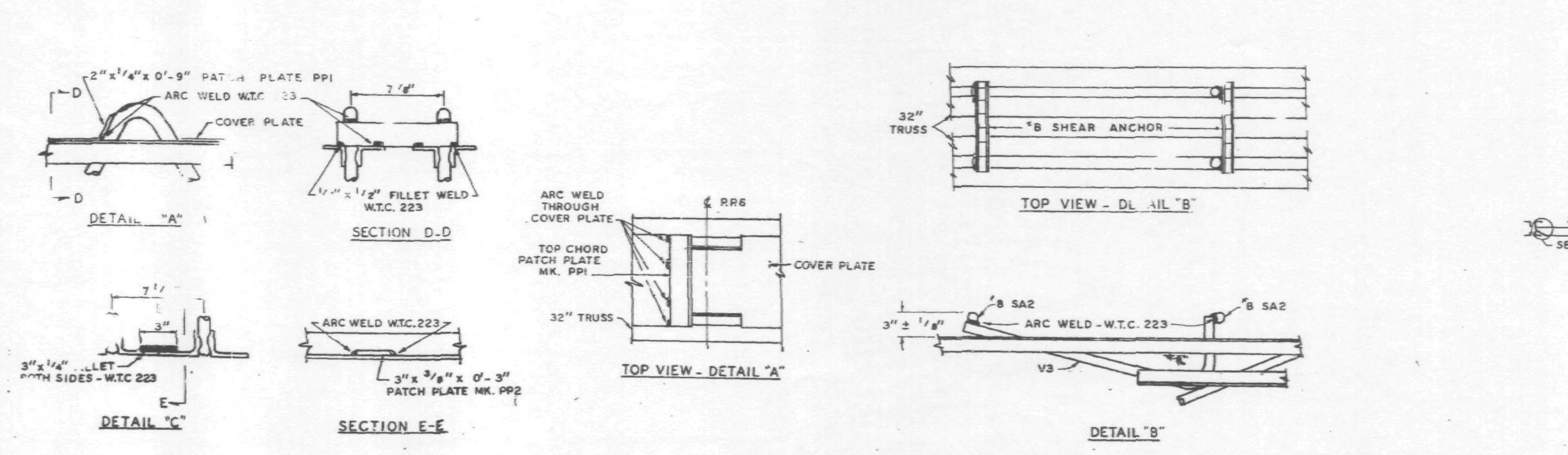
BLDG. A FLOORS 45 (NORTH & SOUTH) 46-49 (SOUTH) 79-83 (NORTH)

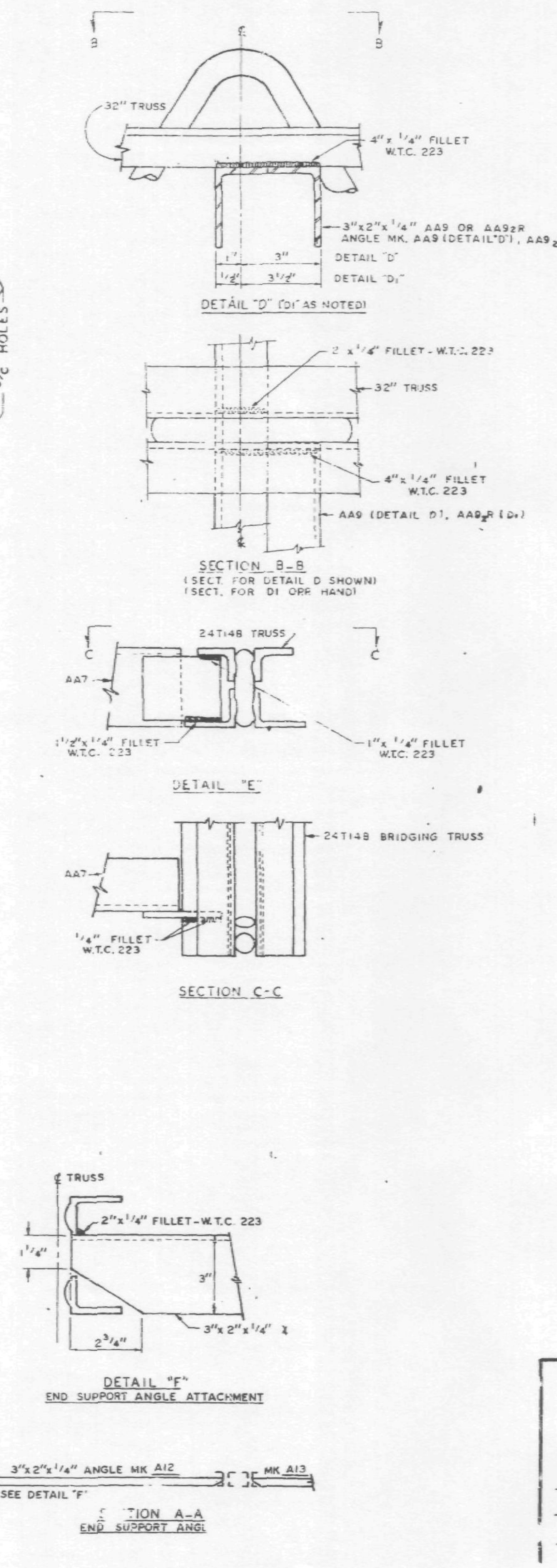
PANEL F5 19'-6" x 59'-0 3/4"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-75	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 4/11/69	DRAWN BY:	DATE JAN. 17, 1969
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.R. CHURA DATE JAN. 17, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F5







ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
SEE SHEET FP-FB-2 OR FP-FB-3 FOR DETAILS CALLED BUT NOT SHOWN ON THIS SHEET.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x 1/4" FILLET.
STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY.

A = 1/4"
B = 1/4"

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T33	1	C32T33 x 59'-0 3/4"	ST 233
	T34	2	C32T34 x 59'-0 3/4"	ST 234
	T35	1	C32T33 x 59'-0 3/4"	ST 235
BRIDGING TRUSSES	T7F	1	24T7F x 19'-6"	BT 207F
	T7G	1	24T7G x 19'-6"	BT 207G
	T7H	1	24T7H x 19'-6"	BT 207H
	T14B	1	24T14B x 19'-6"	BT 214B
3"x2"x 1/4" ANGLES	A10	1	3"x 2"x 1/4"x 2'-7 15/16"	ST 404
	A12	1	3"x 2"x 1/4"x 5'-11 11/16"	ST 404
	A13	1	3"x 2"x 1/4"x 6'-3 7/16"	ST 404
	A49	1	3"x 2"x 1/4"x 6'-0 11/16"	ST 413
	A51	2	3"x 2"x 1/4"x 6'-0"	ST 413
	A52	2	3"x 2"x 1/4"x 6'-0"	ST 413
	A53	2	3"x 2"x 1/4"x 5'-10"	ST 413
	A54	1	3"x 2"x 1/4"x 4'-0 1/2"	ST 413
	A55	1	3"x 2"x 1/4"x 4'-3"	ST 413
ANGLE ASSEMBLY	AA7	1	SEE REF. DRWG.	ST 404
	AA9	4	SEE REF. DRWG.	ST 404
	AA9 2R	1	SEE REF. DRWG.	ST 404
	AA11	1	SEE REF. DRWG.	ST 404
	AA16	1	SEE REF. DRWG.	ST 404
	AA17	3	SEE REF. DRWG.	ST 404
	AA18	1	SEE REF. DRWG.	ST 404
	AA24	1	SEE REF. DRWG.	ST 412
DIAGONAL FLATS	F2	6	1 1/2"x 5/8"x 6'-10 1/2"	ST 402
	F2R	6	1 1/2"x 5/8"x 6'-10 1/2"	ST 402
	F3	1	1 1/2"x 5/8"x 6'-11 1/4"	ST 402
	F4	2	1 1/2"x 5/8"x 7'-0"	ST 402
	F6	3	1 1/2"x 5/8"x 4'-7"	ST 415
	F7	1	1 1/2"x 5/8"x 4'-9 3/4"	ST 415
PATCH PLATES	PP1	6	2"x 1/4"x 0'-9"	ST 400
	PP2	6	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	A	1	9"x .0135"x 13'-11 1/2"	ST 303
	B	2	9"x .0135"x 15'-2"	ST 303
	E	1	9"x .0135"x 14'-4 1/2"	ST 303
	As	1	3 1/2"x .0135"x 13'-11 1/2"	ST 303
	Bs	2	3 1/2"x .0135"x 15'-2"	ST 303
	Es	1	3 1/2"x .0135"x 14'-4 1/2"	ST 303
ANGLE CLIPS	C1	9	2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C2	7	2 1/2"x 1 1/2"x 1/4"x 0'-6"	ST 400
	C5	1	5"x 2"x .37"x 0'-3"	ST 418
DAMPING SADDLE	DUS-3	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 298
	DUS-5	1	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST 299
	DUS-6	3	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST 299
	DUS-7	1	3 1/2"x 3 1/2"x 3/8"x 4'-4 7/8"	ST 299
MISC. PLATES	PF-1	2	1 1/2"x 1/2"x 0'-4"	ST 400
	PF-3	5	3 1/2"x 3/8"x 0'-5"	ST 400
	PF-12	2	6 1/2"x 1/2"x 1'-0"	ST 416
	PF-13	2	1"x 1/4"x 1'-0"	ST 416
	PF-14	2	3"x 1/4"x 0'-7"	ST 416
	PF-15	2	1 1/2"x 1/2"x 0'-2"	ST 416
	PF-16	2	8 1/4"x 1/2"x 0'-2"	ST 416
	PF-17	2	2"x 1/4"x 3 1/2"	ST 416
	PF-18	3	2"x 1/4"x 1'-1 3/8"	ST 416
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400

LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS SHOWN ON SHEETS CD 201, CD 204 & CD 229, ie. (1C)

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

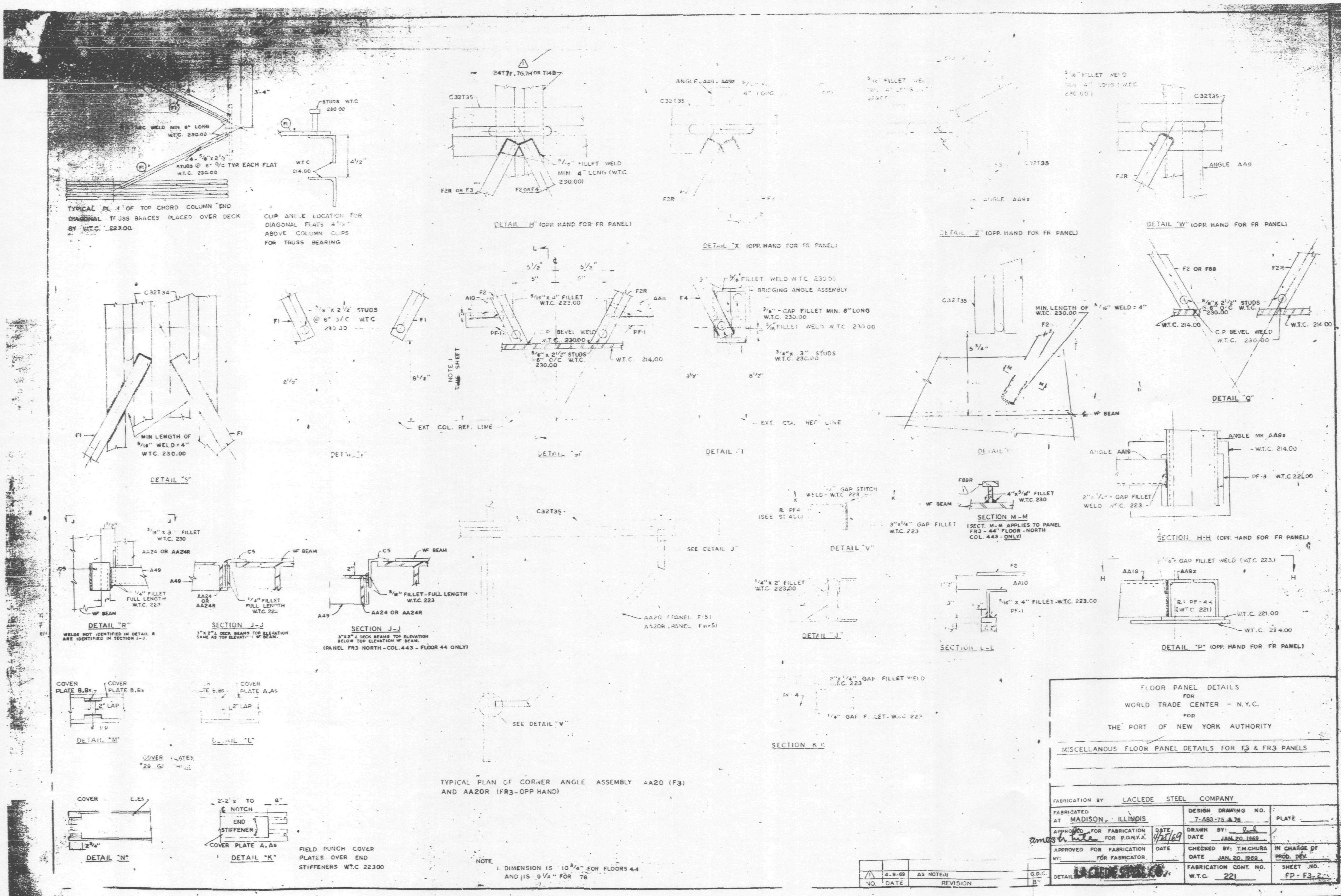
BLDG A FLOORS 44 (SOUTH)

PANEL F8 19'-6" x 59'-0 3/4"

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-62	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. James White	DATE 4/25/69	DRAWN BY: gdc DATE FEB. 7, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE FEB. 7, 1969	IN CHARGE OF PROD. DEV.
DETA[redacted]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F8

NO.	DATE	REVISION	BY
1	4-10-69	GENERAL	G.D.C.



FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANOUS FLOOR PANEL DETAILS FOR F3 & FR3 PANELS

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-75 & 76	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A.	DATE 4/25/69	DRAWN BY: [illegible] DATE JAN. 20, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN. 20, 1969	IN CHARGE OF PROD. DEV.
DETAIL LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F3-2

NO.	DATE	REVISION	BY
1	4-9-69	AS NOTED	G.D.C.

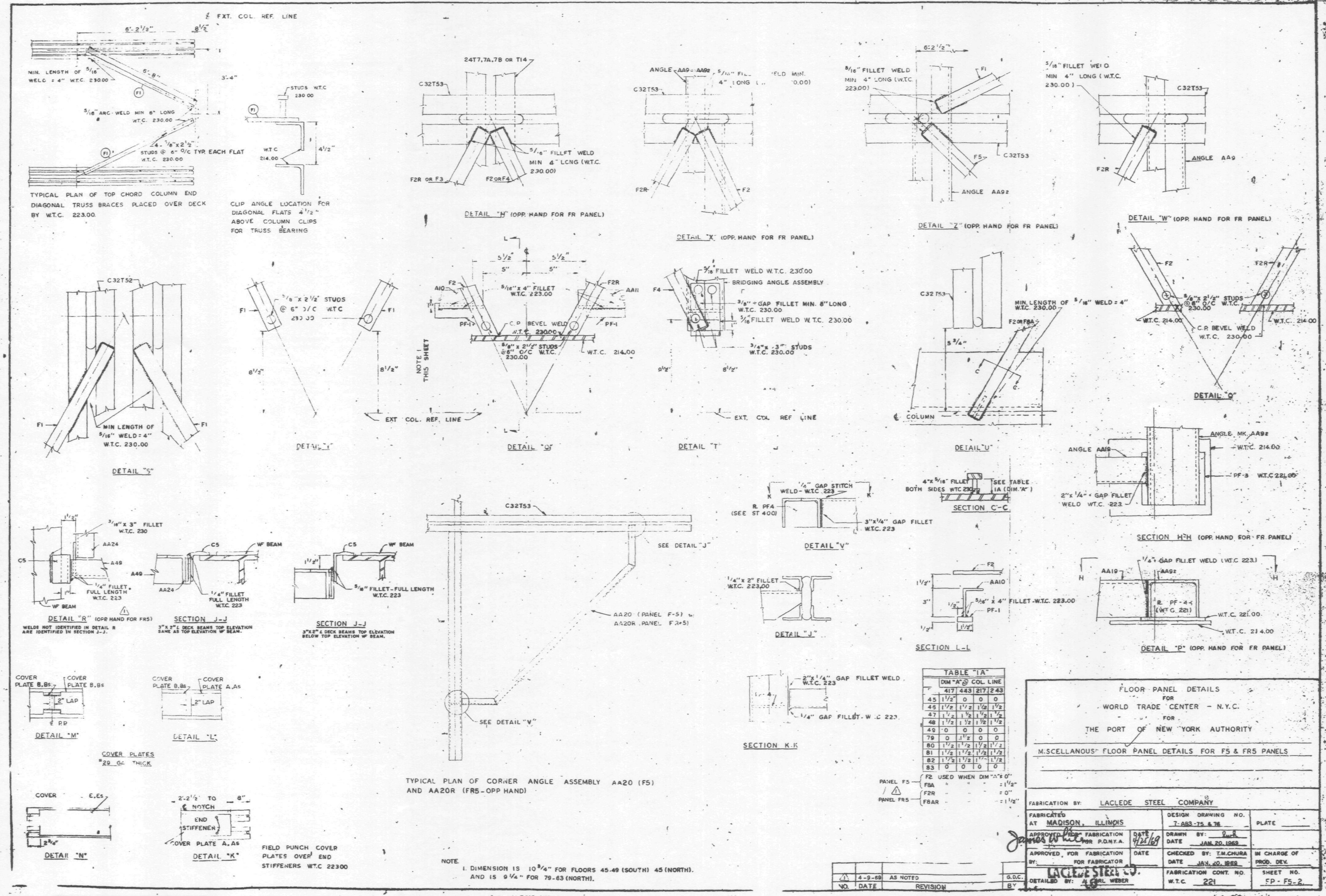


TABLE "IA"

	DIM "A" @ COL. LINE			
	417	443	217	243
45	1 1/2"	0	0	0
46	1 1/2	1 1/2	1 1/2	1 1/2
47	1 1/2	1 1/2	1 1/2	1 1/2
48	1 1/2	1 1/2	1 1/2	1 1/2
49	0	0	0	0
79	0	1 1/2	0	0
80	1 1/2	1 1/2	1 1/2	1 1/2
81	1 1/2	1 1/2	1 1/2	1 1/2
82	1 1/2	1 1/2	1 1/2	1 1/2
83	0	0	0	0

PANEL F5 — F2 USED WHEN DIM "A" = 0"; F8A " " " = 1 1/2"
PANEL FR5 — F2R " " " = 0"; F8AR " " " = 1 1/2"

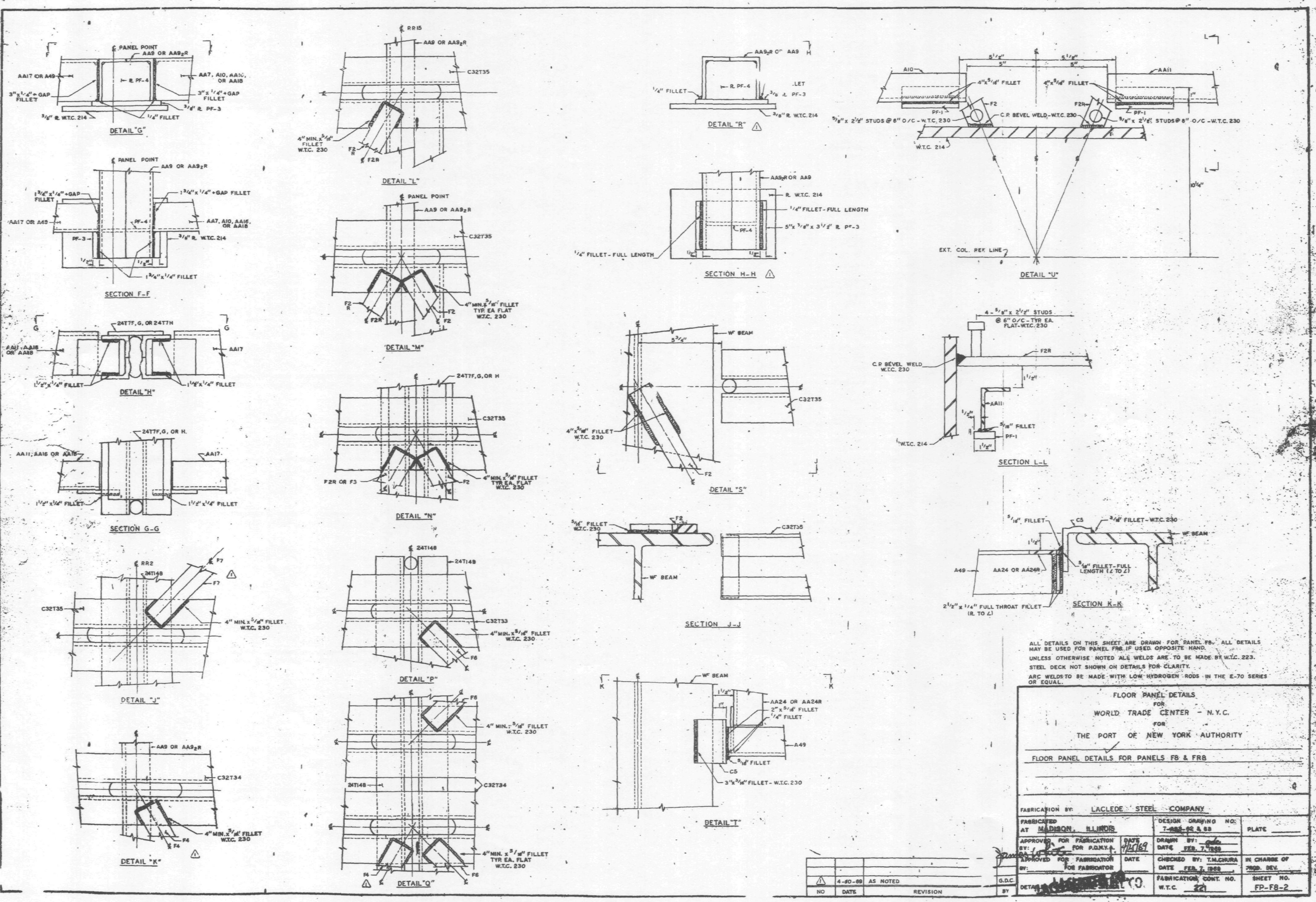
NO.	DATE	REVISION	BY
⚠1	4-9-69	AS NOTED	G.D.C.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER – N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

MISCELLANEOUS FLOOR PANEL DETAILS FOR F5 & FR5 PANELS

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-75 & 76	PLATE
APPROVED FOR FABRICATION FOR P.O.N.Y.A. James White	DATE 4/25/69	DRAWN BY: [signature] DATE JAN. 20, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE JAN. 20, 1969	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY: A. CARL WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F5-2



ALL DETAILS ON THIS SHEET ARE DRAWN FOR PANEL F8. ALL DETAILS MAY BE USED FOR PANEL FR8 IF USED OPPOSITE HAND.

UNLESS OTHERWISE NOTED ALL WELDS ARE TO BE MADE BY W.T.C. 223.

STEEL DECK NOT SHOWN ON DETAILS FOR CLARITY.

ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.

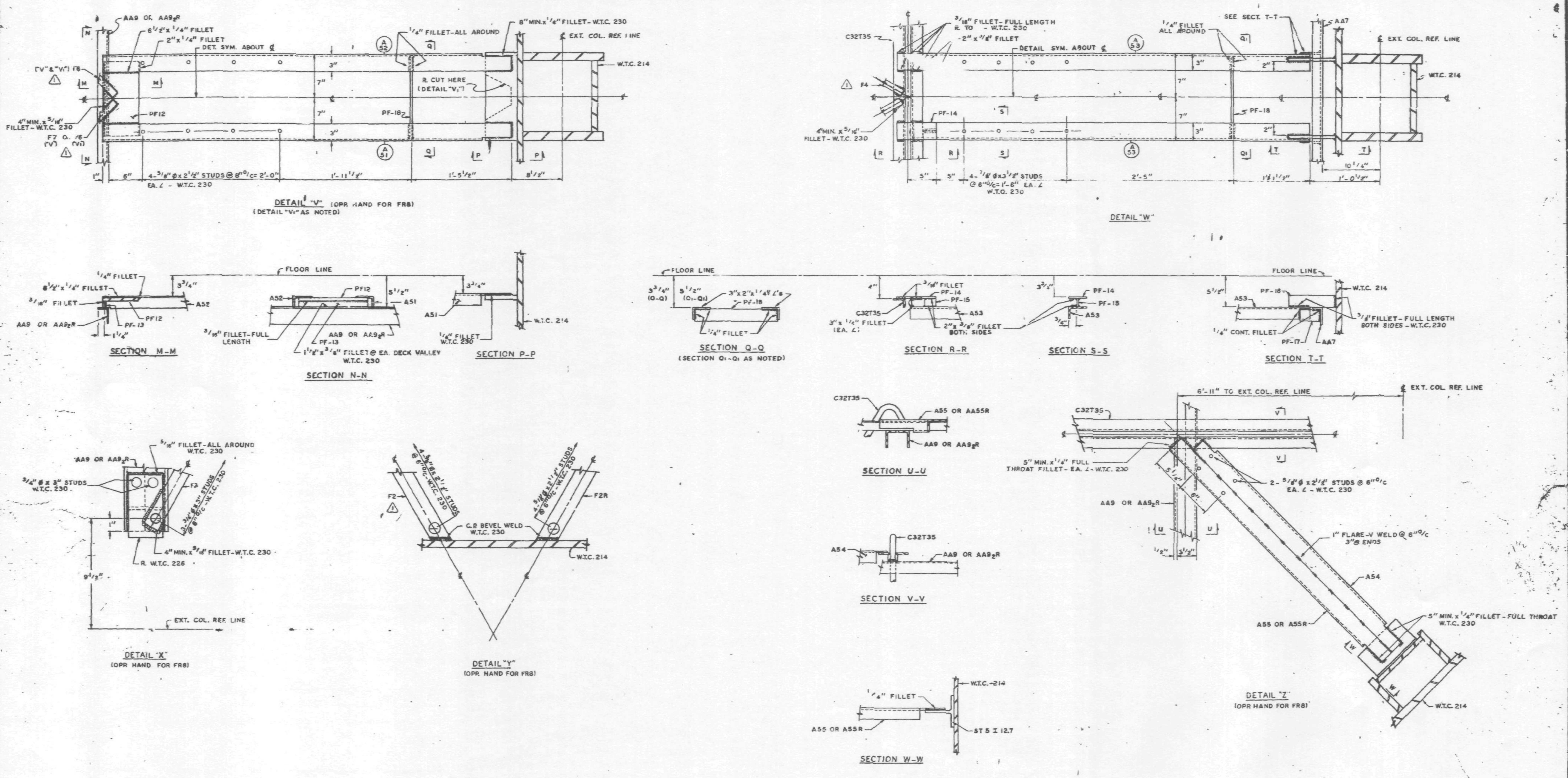
NO	DATE	REVISION	BY
1	4-10-69	AS NOTED	G.D.C.

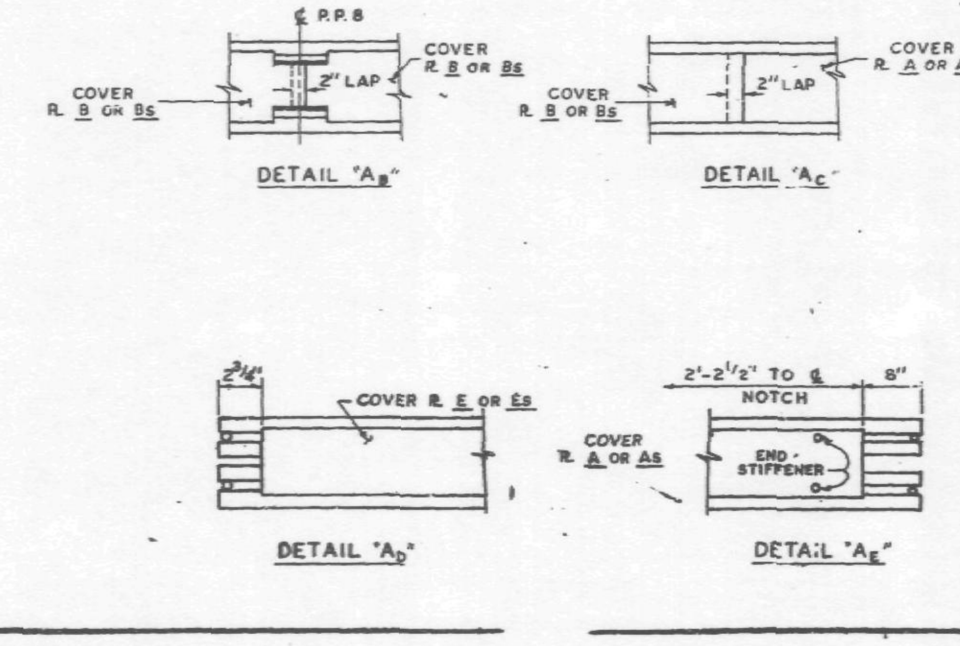
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

FLOOR PANEL DETAILS FOR PANELS F8 & FR8

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO: 7-483-62 & 63	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 4/25/69	DRAWN BY: DATE FEB. 7, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M.CHURA DATE FEB. 7, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F8-2





ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERI[illegible] OF EQUAL.
UNLESS OTHERWISE NO[illegible] ALL ARC WELDS BY W.T.C. [illegible]23.
STE[illegible]L DECK NOT SHOW[illegible] ON DETAILS FOR CLARITY.

REF. DR[illegible]G.

7-AB3-62	-20-69	7-AB4-45.1	11-25-68
7-AB3-[illegible]	1-20-69	7-AB4-21	1-6-69
5A-124	1-6-69	7-AB4-22	1-6-69
7-AB1-30	1-8-69	7-AB4-22.1	7-22-69
7-AB1-31	1-6-69	7-AB4-23	7-22-69
7-AB1-48	1-6-69	7-AB4-24	10-15-69
7-AB2-16	1-6-69	7-AB4-26	7-22-69
7-AB2-9	1-8-69		
7-AB4-31.1	1-20-69		
7-AB4-34.1	1-20-69		
7-AB4-39.3	1-20-69		

NO.	DATE	REVISION	BY
1	4-10-69	AS NOTED	G.D.C.

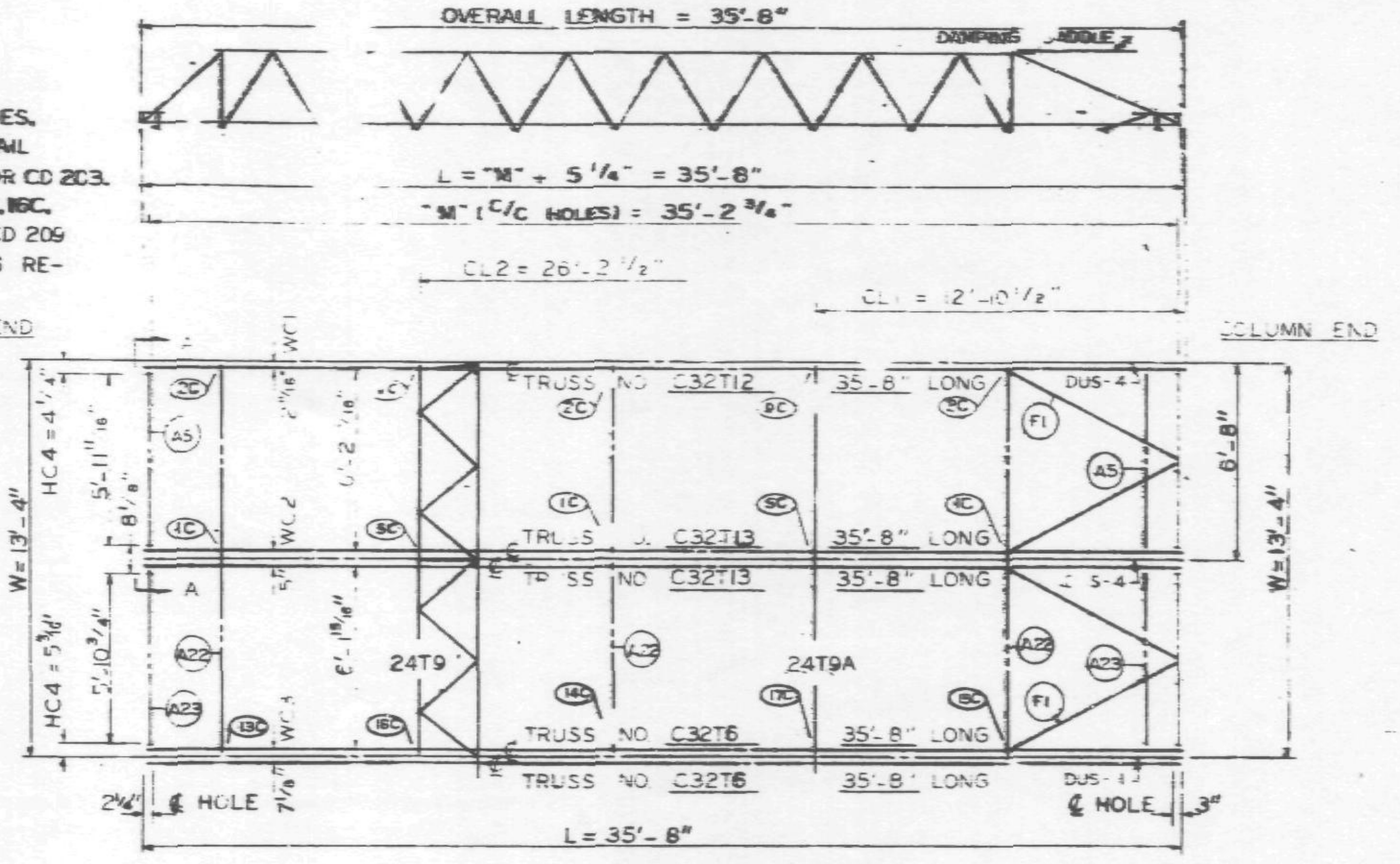
FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

FLOOR PANEL DETAILS FOR PANELS F8 & FR8.

FABRICATION BY: LACLEDE STEEL COMPANY

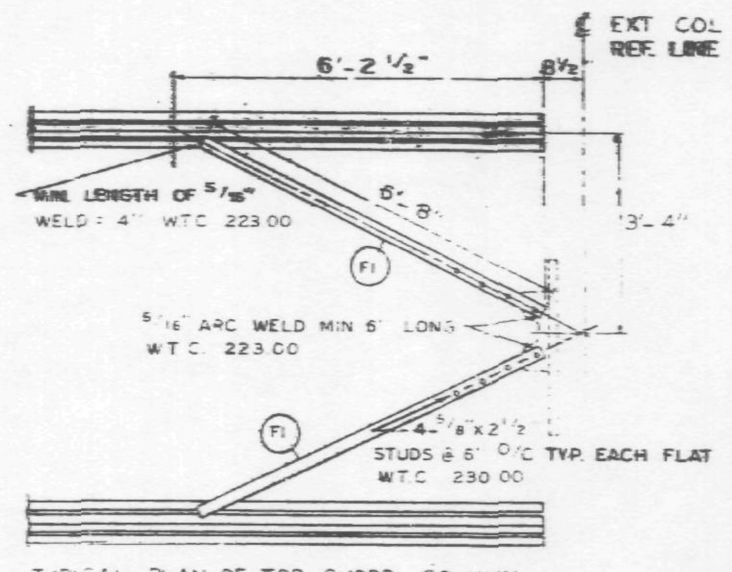
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-62 & 63	PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A.	DATE 4/25/69	DRAWN BY: gdc DATE FEB. 7, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE FEB. 7, 1969	IN CHARGE OF PROD. DEV.
DETAILED LACLEDE STEEL CO.		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F8 3

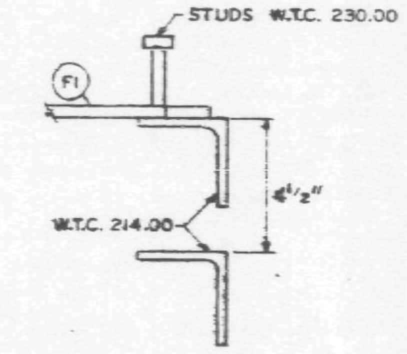
LETTERS AND NUMBERS IN ELLIPSES, ie.(1C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201, CD202 OR CD 203. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 209 CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.



PANEL G1 SIZE 13'-4" x 35'-8"

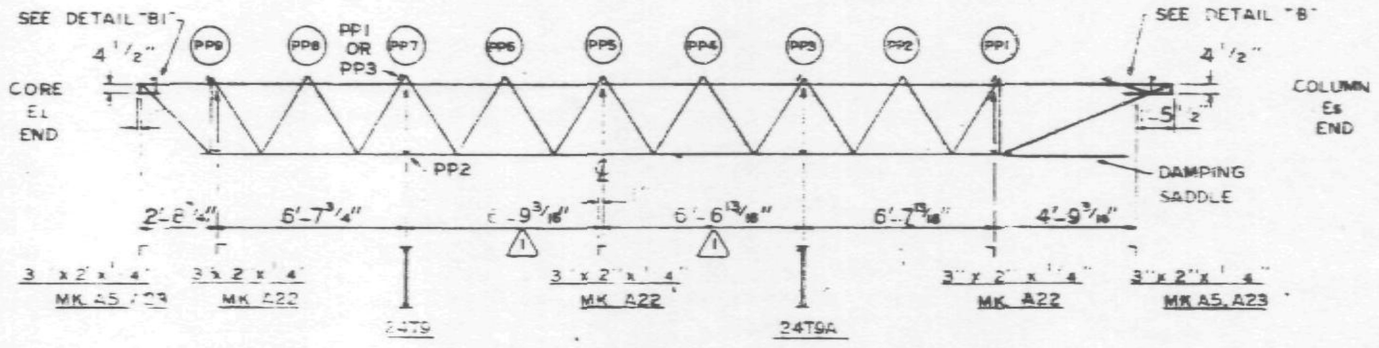
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.



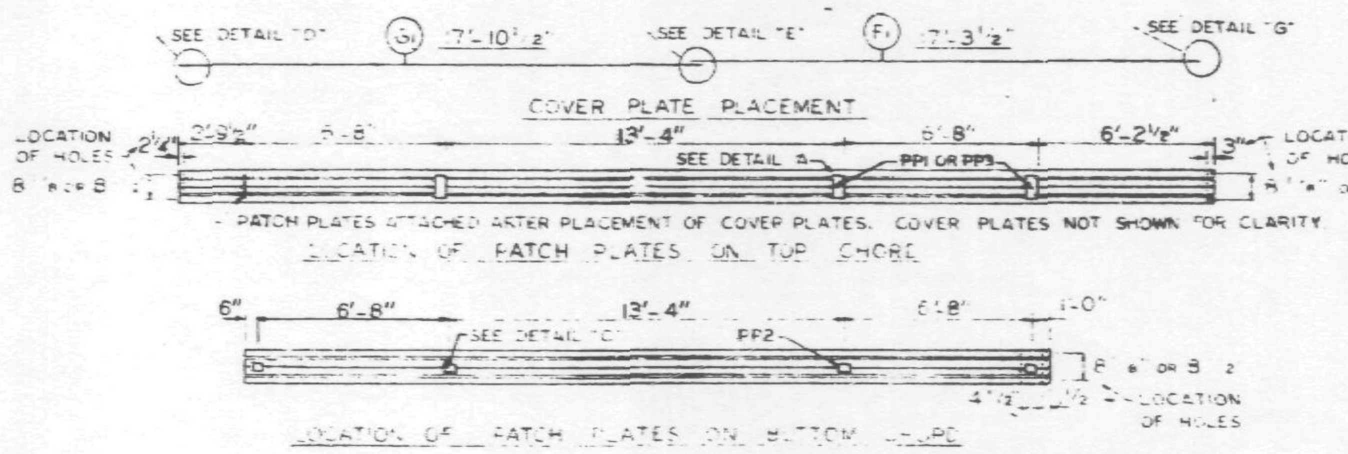


CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T6	2	C32T6 - 35'-8"	ST 20[illegible]
	T12	1	C32T12 - 35'-8"	[illegible]
	T13	2	C32T13 - 35'-8"	[illegible]
BRIDGING TRUSSES	T9	1	24T9 - 13'-2"	ST 209
	T9A	1	24T9 13'-2 3/16"	ST 209A
3"x 2"x 1/4" ANGLE	A5	2	[illegible]x2"x1/4"x8'-1 [illegible]	ST [illegible]
	A22	3	3"x2"x1/4"x13'-3 1/2"	ST405
	A23	2	3"x2"x1/4"x6'-0 7/8"	ST405
DIAGONAL FLAT	F1	4	1 1/2"x5/8" 8'-8"	ST402
PATCH PLATES	PP1	4	2" x 1/4" x 0'-9"	[illegible]
	PP2	8	3" x 3/8" x 0'-3"	ST 40[illegible]
	PP3	4	2" x 1/4" x 0'-7"	[illegible]
COVER PLATES	G1	1	7" x .0135" x 17'-10 1/2"	[illegible]
	F1	1	7" x .0135" x 17'-3 1/2"	[illegible]
	G	1	9" x .0135" x 17'-10 1/2"	[illegible]
	F	1	9" x .0135" x 17'-3 1/2"	[illegible]
ANGLE CLIPS	C2	6	2 1/2" x 1 1/2" x 1/4" x 6"	[illegible]
	C1	2	2" x 1 1/2" x 1/4" x 6"	[illegible]
# 8 SHEAR ANCHOR	SA1	3	#8 REBAR x [illegible]	[illegible]
	SA2	3	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-4	1	3 1/2" x 3 1/2" x 3/8" x [illegible]	[illegible]
	DUS-1	1	3 1/2" x 3 1/2" x [illegible]	[illegible]
CONNECTION PLATES				
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.	ST 274
	14C	1	SEE REF. DRWG.	ST 272
	15C	1	SEE REF. DRWG.	ST 270
	16C	1	SEE REF. DRWG.	ST 273
	17C	1	SEE REF. DRWG.	[illegible]



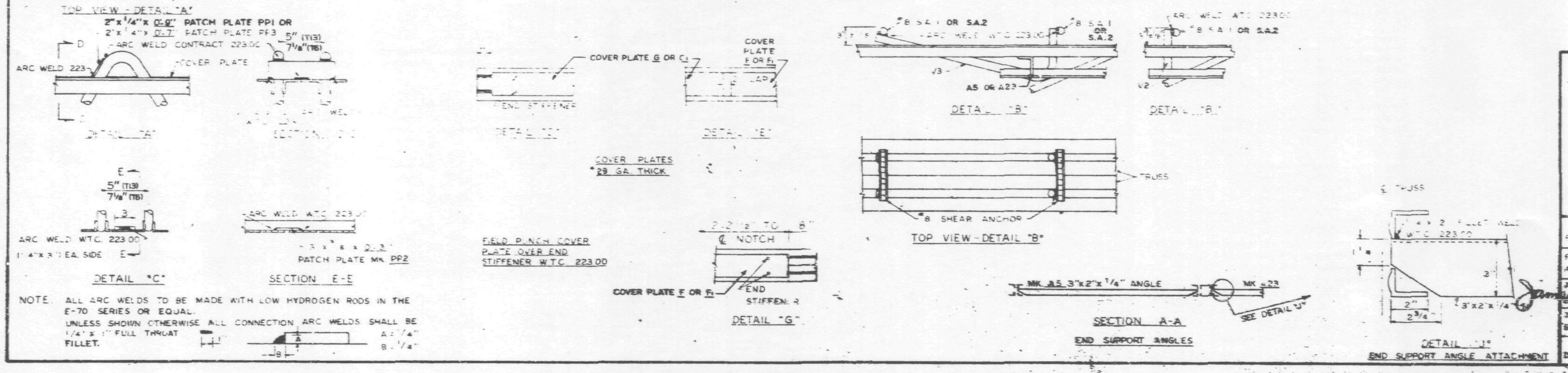
PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6.
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.



COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13.
COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6.
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13.
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.

NO.	DATE	REVISION	
1	2-21-69	AS NOTED	[illegible]

REF. DRWG.	
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	5-[illegible]-68
7-AB4-39-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2-6	2-15-68
7-AB4-42	4-1-68



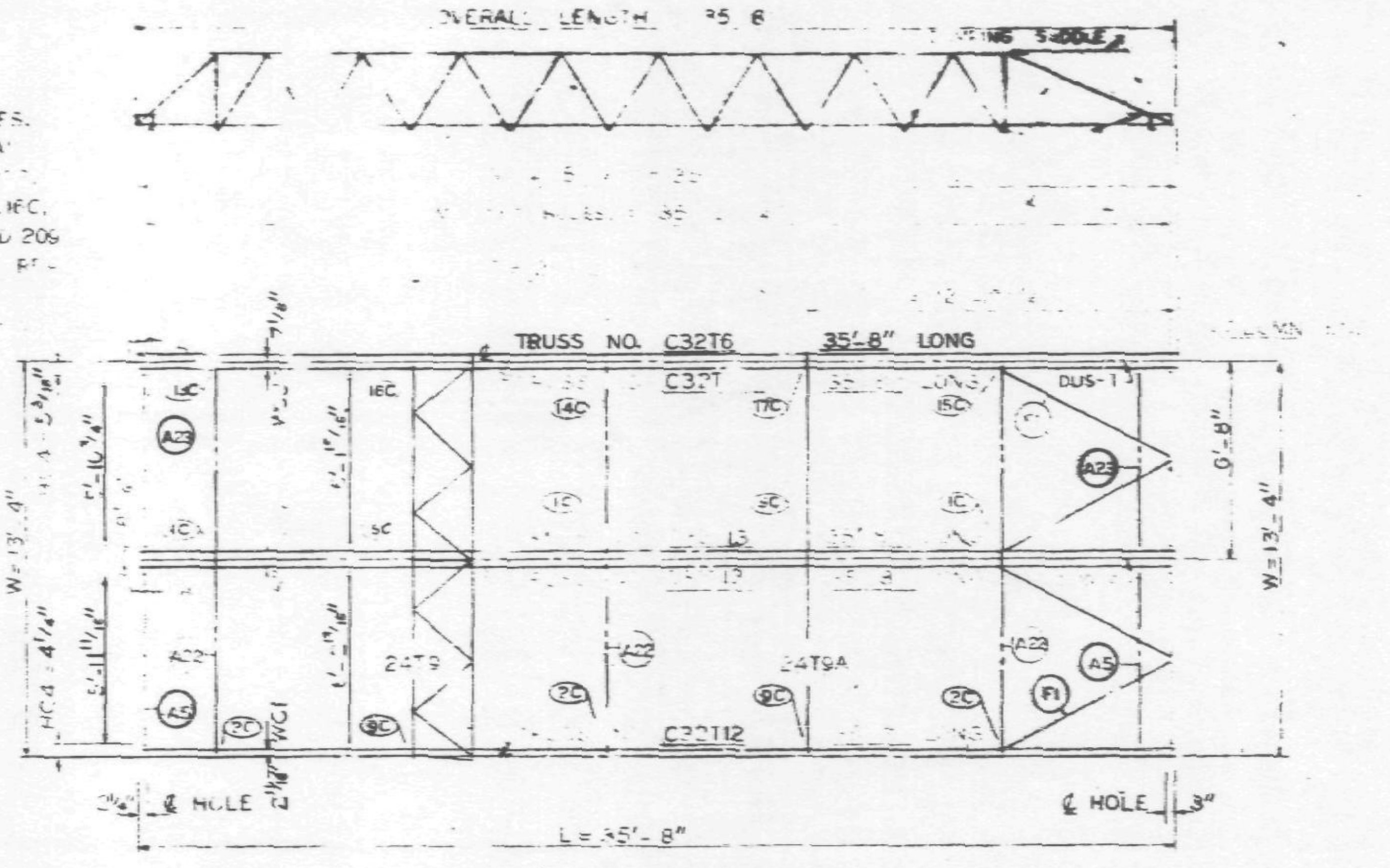
NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1" FULL THROAT FILLET.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N. Y. C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 & 93-106 (EAST & WEST) 45-49 (WEST) 80-83 (EAST)
PANEL G1 - 13'-4" x 35'-8"

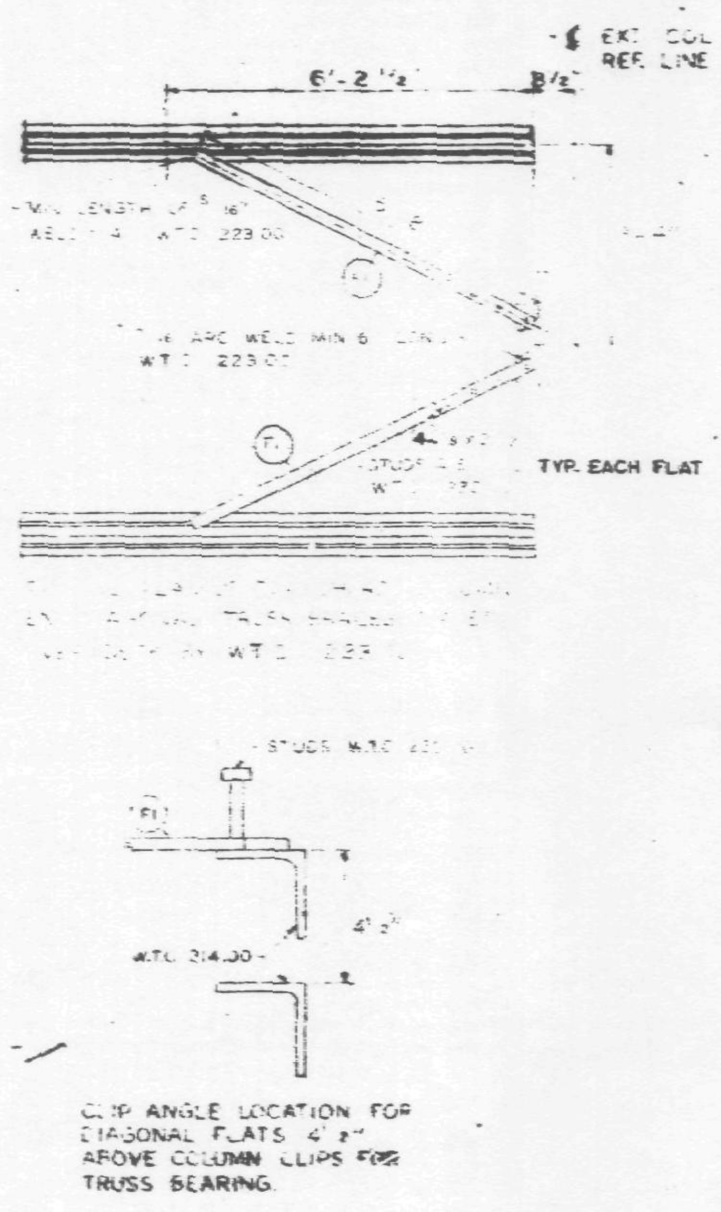
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-15 5-[illegible]-68 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE [illegible]
DRAWN BY [illegible] DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY FOR [illegible] DATE
CHECKED BY T.M.[illegible] DATE APRIL 10, 1968
LACLEDE STEEL CO.
DETAILED BY A. C. WEBER
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-G1

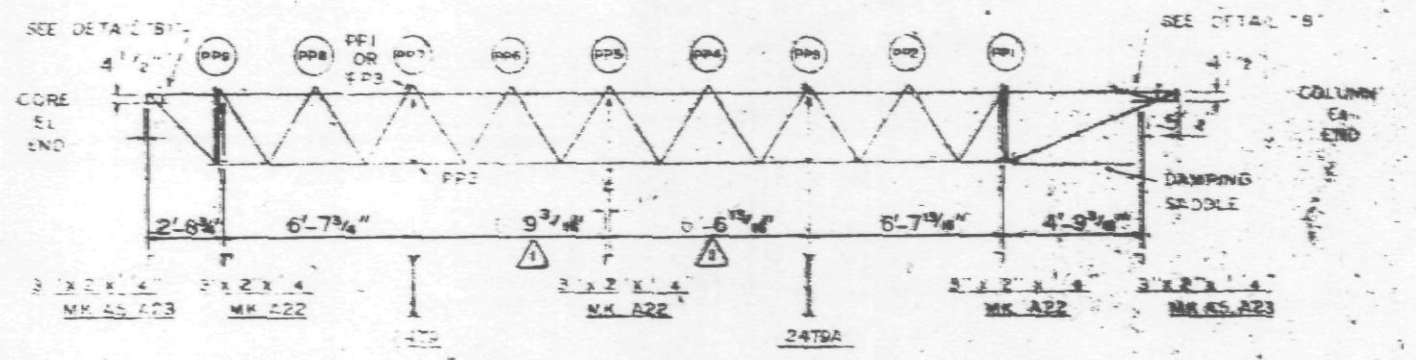
LETTERS AND NUMBERS IN ELLIPSES (e.g. 13C) INDICATE CONNECTION DETAIL SHOWN ON SHEET [illegible]. SPECIAL CONNECTIONS 13C, 14C, 15C, 16C, AND 17C ARE SHOWN ON SHEETS CD 209, CD 207, CD 205, CD 208, AND CD 206 RESPECTIVELY.



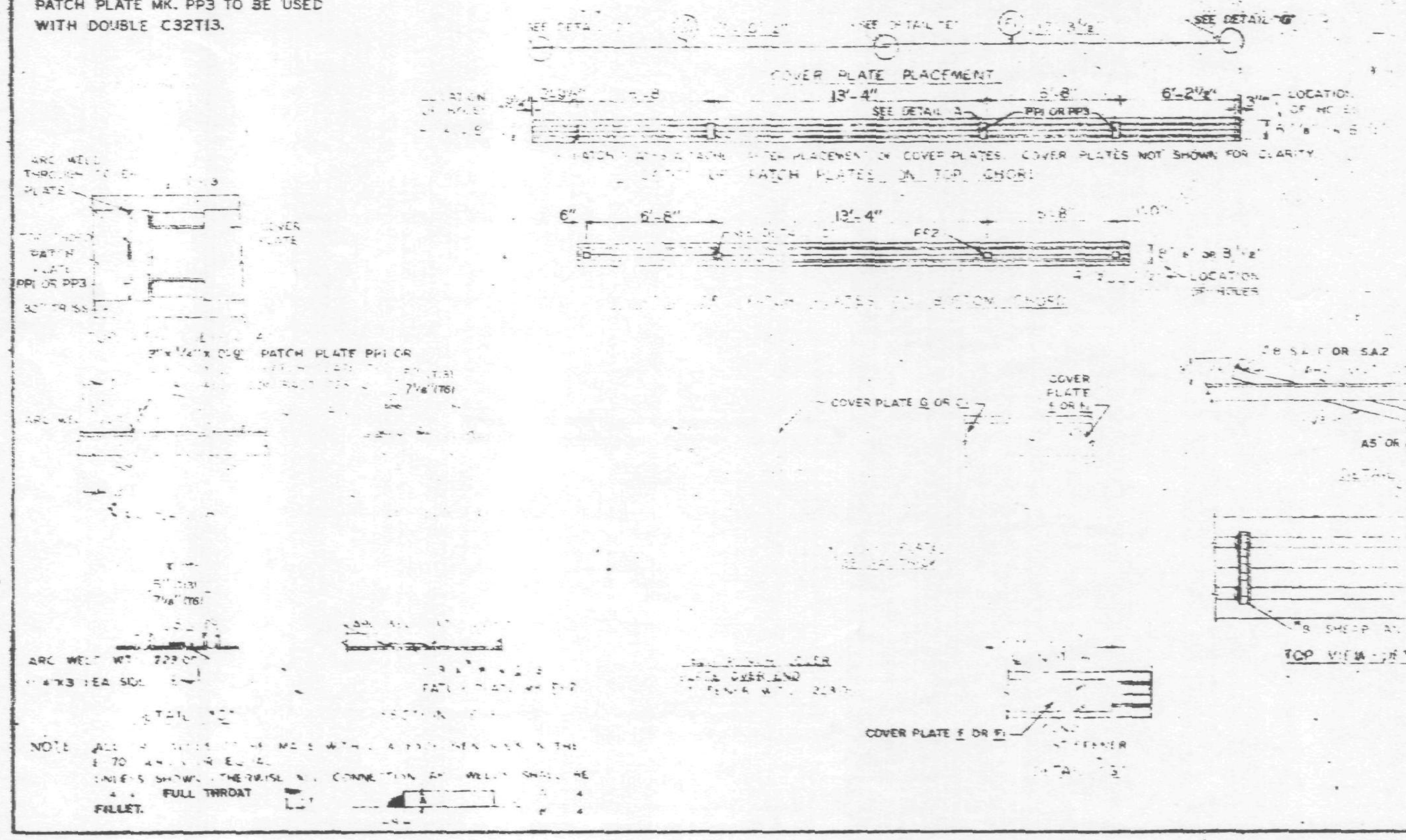
℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES

PANEL GR1 SIZE 13'-4" x 35'-8"





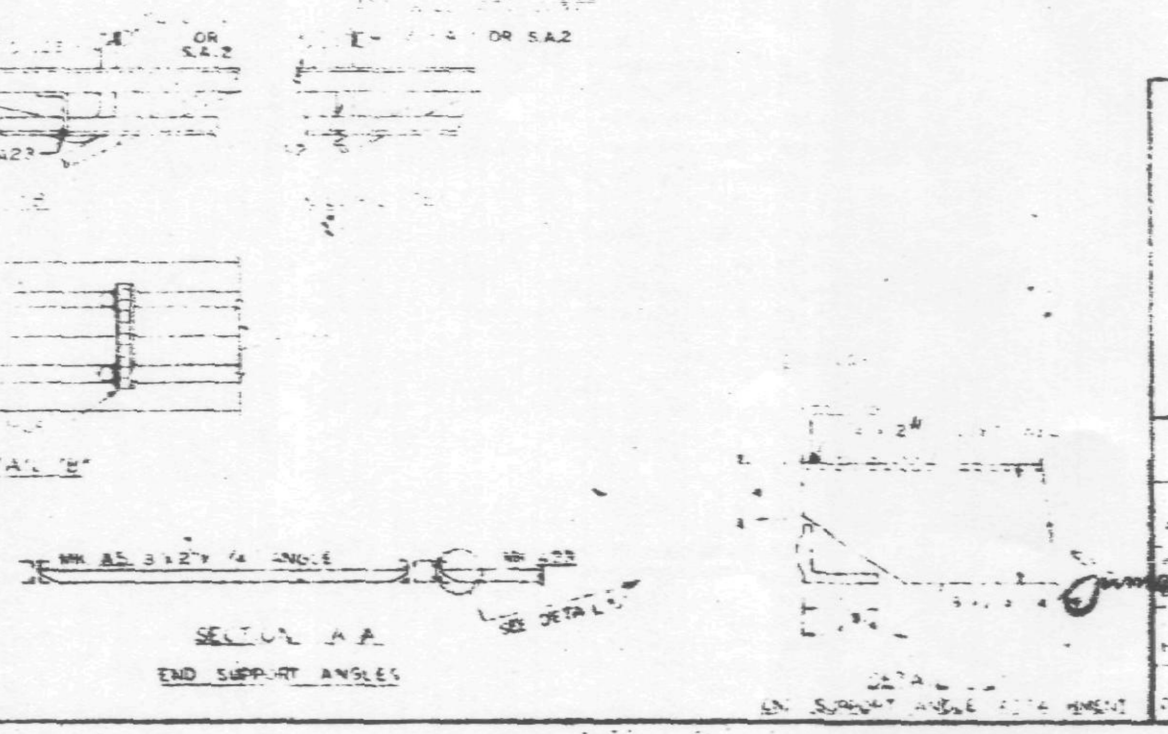
PATCH PLATE MK. PP1 TO BE USED WITH DOUBLE C32T6.
PATCH PLATE MK. PP3 TO BE USED WITH DOUBLE C32T13.



COVER PLATES MK. F1 & G1 TO BE USED WITH DOUBLE C32T13.
COVER PLATES MK. F & G TO BE USED WITH DOUBLE C32T6.
SHEAR ANCHOR MK. SA1 TO BE USED WITH DOUBLE C32T13.
SHEAR ANCHOR MK. SA2 TO BE USED WITH DOUBLE C32T6.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK.	PCS.	SIZE	
FLOOR TRUSSES	T6	2	C32T6 - 35'-8"	ST 2[illegible]
	T12	1	C32T12 - 35'-8"	[illegible]
	T13	2	C32T13 - 35'-[illegible]	[illegible]
BRIDGING TRUSSES	T9	1	24T9 - 13'-2¾"	BT 209
	T9A	1	24T9A - 13'-2¾"	BT 209A
[illegible] ANGLE	A5	2	3"x2"x¼"x6'-1¹³⁄₁₆"	ST 403
	A22	1	3"x2"x¼"x13'-3½"	ST 405
	A23	2	3"x2"x[illegible]x6'-0⅞"	ST 405
[illegible]	F1	4	1"[illegible]x6'-8"	ST 402
PATCH PLATES	PP1	4	2"x¼"x0'-9"	ST 400
	PP2	8	3"x⅜"x0'-3"	ST 400
	PP3	4	2"x¼"x0'-7"	ST 400
COVER PLATES	[illegible]	1	[illegible]x.0135"x17'-10½"	ST 303
	F1	1	7"x.0135"x17'-3½"	ST 303
	G	1	9"x.0135"x17'-10½"	ST 303
	F	1	9"x.0135"x17'-3½"	ST 303
ANGLE CLIPS	C2	6	2½"x1½"x¼"x6"	ST 400
	C1	2	2"x1½"x¼"x6"	ST 400
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
	SA2	3	#8 REBAR x 0'-8"	ST 400
DAMPING SADDLE	DUS-4	1	3½"x3½"x⅜"x3'-[illegible]	ST 298
	DUS-1	1	3½"x3½"x⅜"x3'-[illegible]	ST 298
CONNECTION PLATES				
SPECIAL CONNECTION UNITS	13C	1	SEE REF. DRWG.	ST 274
	14C	1	SEE REF. DRWG.	ST 272
	15C	1	SEE REF. DRWG.	ST 270
	16C	1	SEE REF. DRWG.	ST 273
	17C	1	SEE REF. DRWG.	ST 27[illegible]

1	2-21-69	AS NOTED	
NO.	DATE	REVISION	



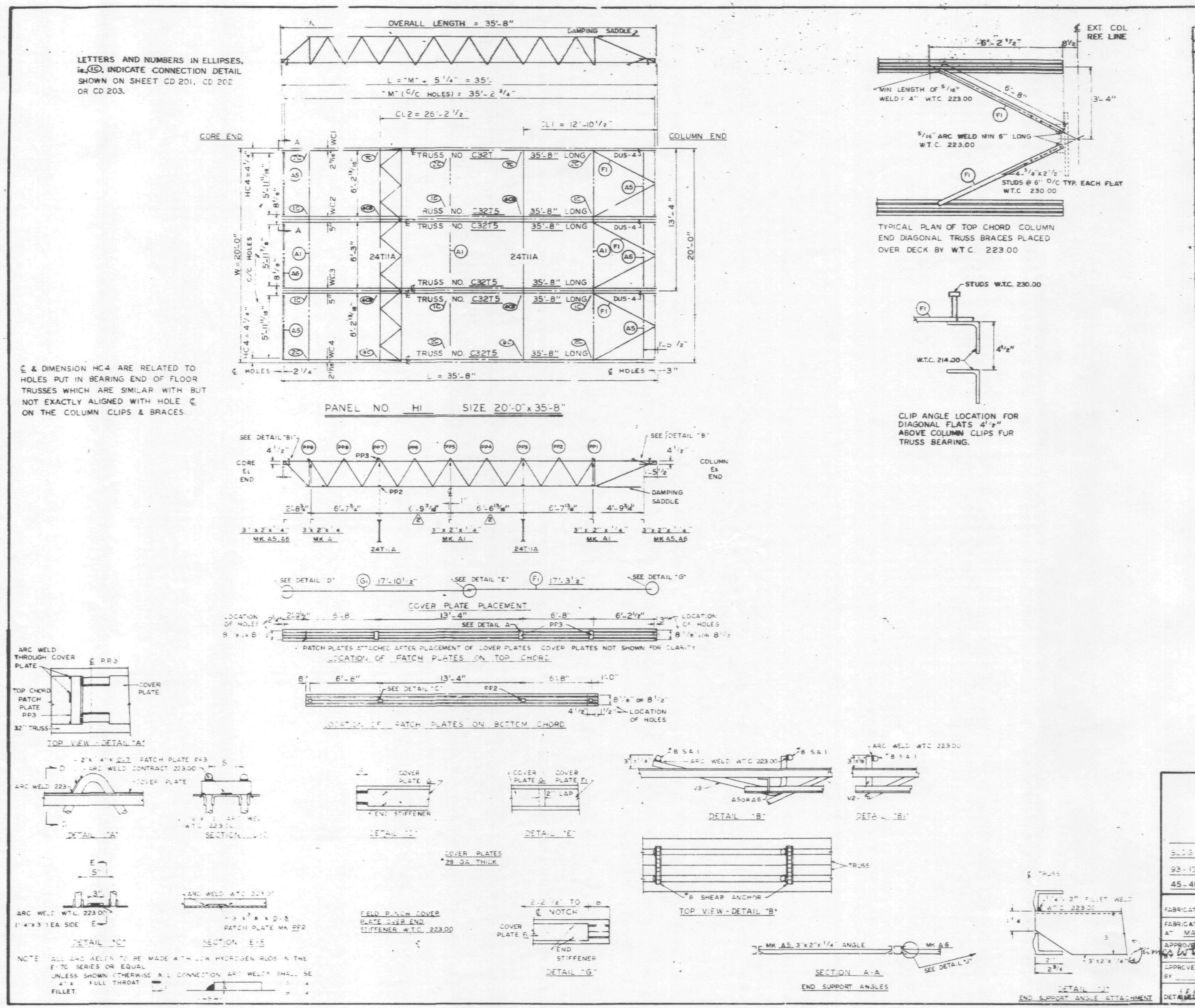
[illegible] 68-74, 84-91 &
93-101 (EAST & WEST)
79-83 (WEST) 46-49 (EAST)
PANEL GR1 - 13'-4" x 35'-8"

DRAWN BY
CHECKED BY T.M. CHUNG
DATE APRIL [illegible] 1968

LACLEDE STEEL CO.

SHEET NO. FP-GR1

NOTE: ALL [illegible] FULL THROAT FILLET.



REQUIRED MATERIAL PER PANEL				
MATERIAL	MK	PCS	SIZE	[illegible]
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	[illegible]
BRIDGING TRUSSES	T11A	2	[illegible] - 19'-11"	[illegible]
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x19'-11"	ST403
	A5	4	3"x2"x1/[illegible] 5'-1 13/16"	ST403
	A6	2	3"x2"x [illegible] x 6'-2"	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5/8"x 6'-8"	ST402
PATCH PLATES	PP3	[illegible]	2"x1/4"x 0'-7"	ST 400
	PP2	12	3"x3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x.0135"x17'-10 1/2"	ST 303
	F1	3	7"x.0135"x17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x1 1/2"x1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE (1)	DUS-4	3	3 1/2"x3 1/2"x3/8"x3'-6 3/4"	ST298
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES (1)	P1	3	3 1/2"x3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x.39"x 0'-9"	ST 400
	P7	2	6 1/2"x1/2"x 1'-0"	ST 401

NO.	DATE	REVISION	BY
2	2-21-69	AS NOTED	G.D.C.
1	10-16-68	MATERIAL LIST	G.D.C.

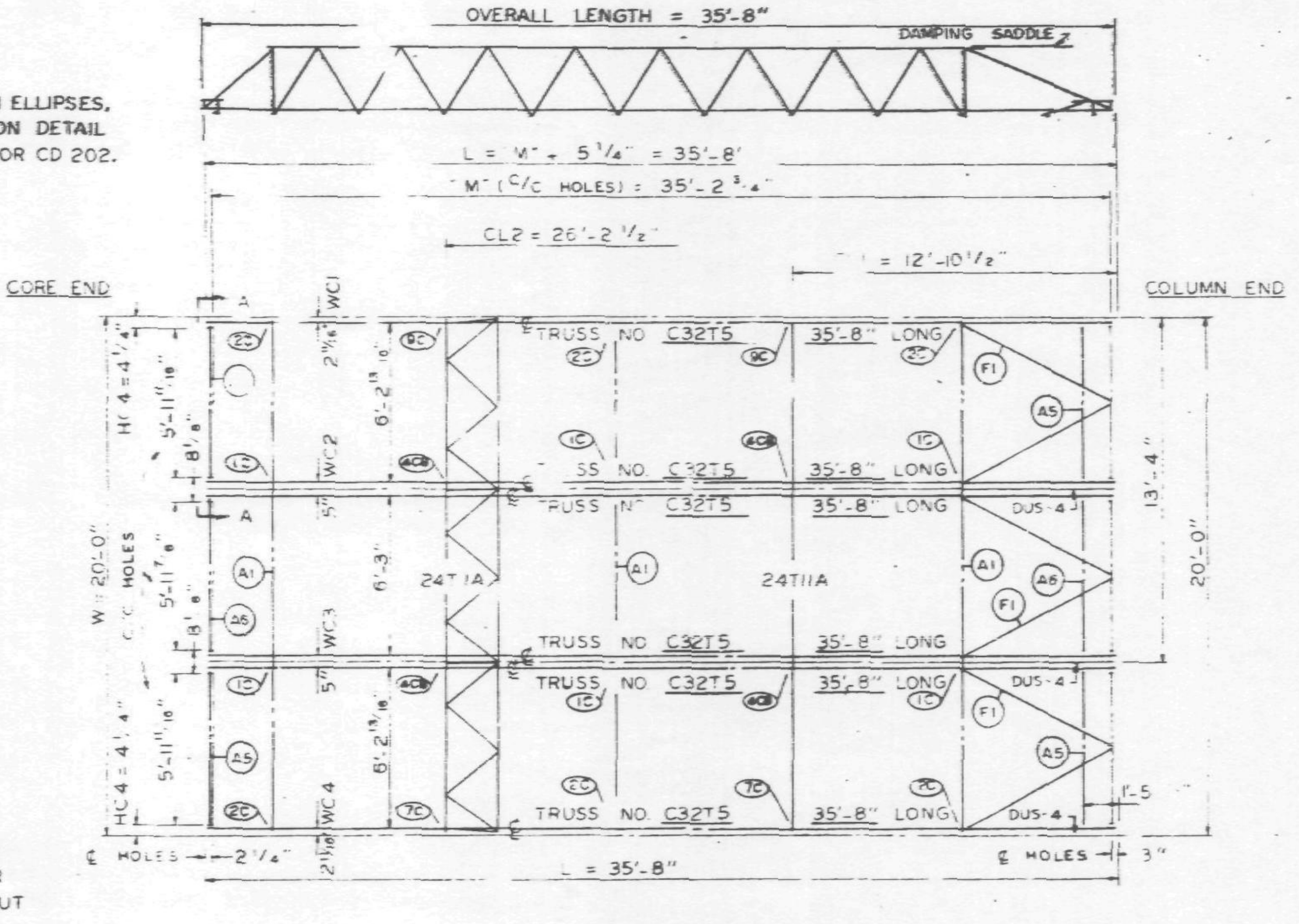
REF. DRWG.	
[illegible] AB4-3 & 31	1-3-68
7-AB4-5 & 6	5-6-68
7-AB4-39-41	1-3-68
SA 124	10-20-67
7-AB3-2	1-3-68
7-AB[illegible] & 2	5-10-68
7-AB2-6	2-15-68
7-AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 &
93-105 (EAST & WEST) PANEL H1 - 20'-0" x 35'-8"
45-49 (WEST) 80-83 (EAST)

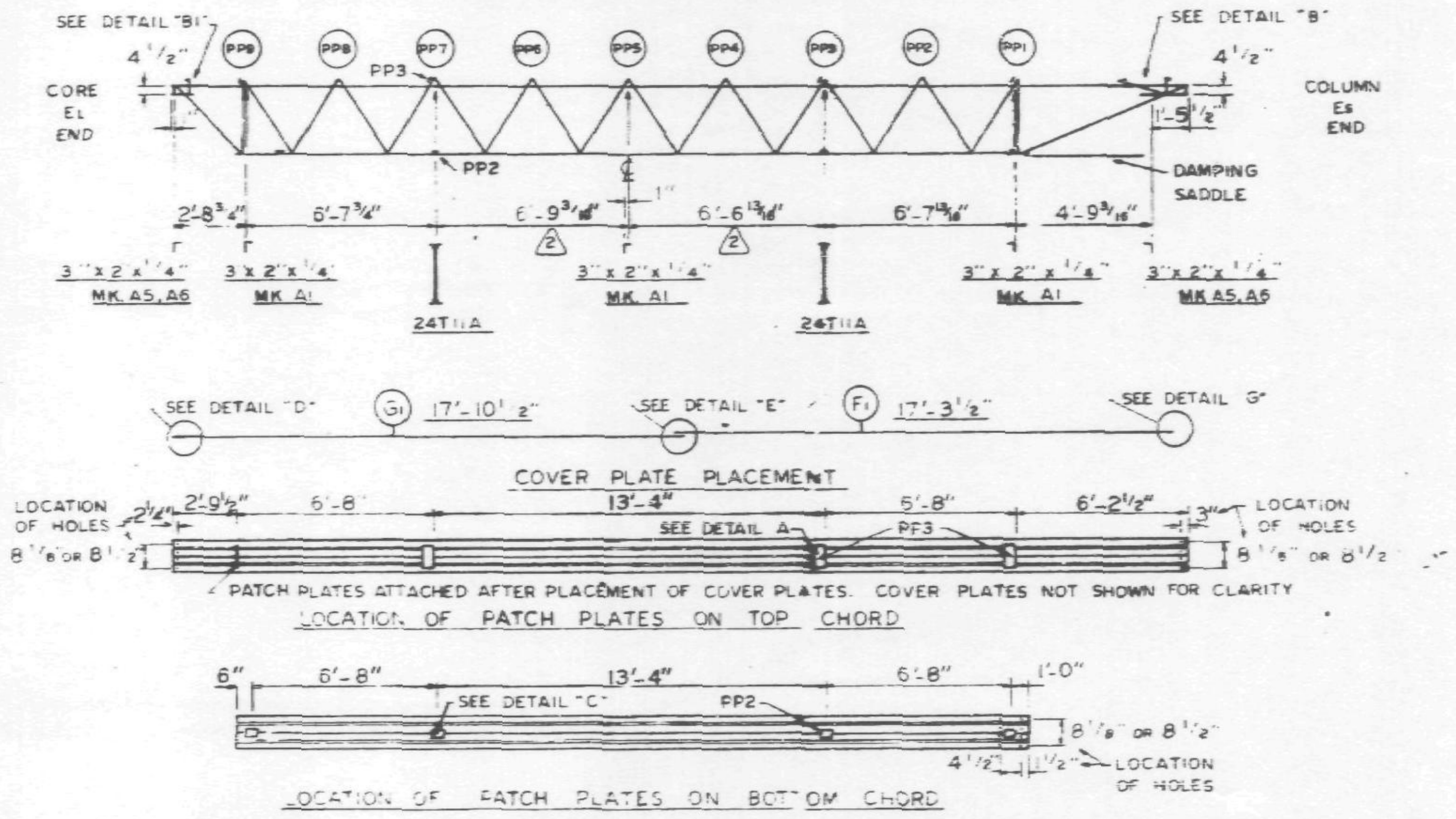
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB3-17 [illegible]-68 PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 2/28/69
DRAWN BY R.R. DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE
CHECKED BY T.M. CHURA DATE APRIL 10, 1968
DETAILED [illegible] LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221
SHEET NO. FP-H1

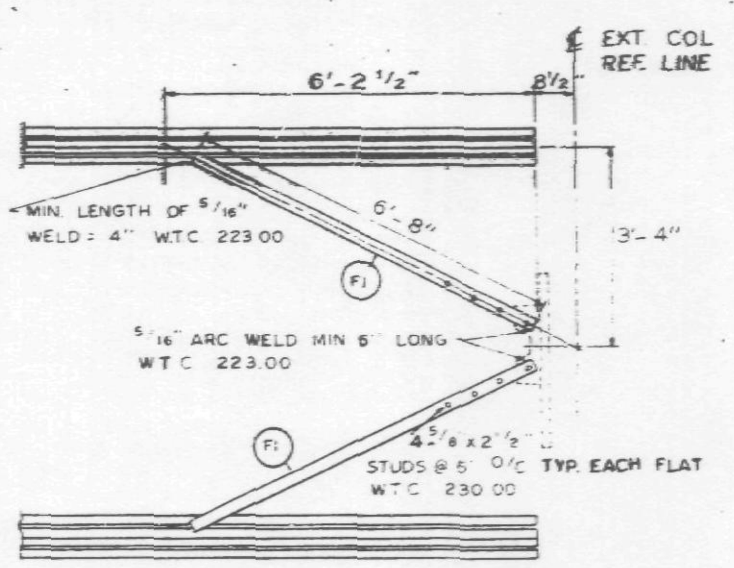
LETTERS AND NUMBERS IN ELLIPSES, ie. (1C) INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202.



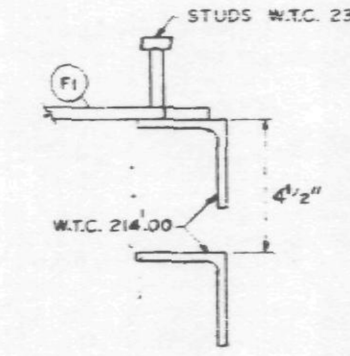
PANEL NO HR1 SIZE 20'-0" x 35'-8"

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.





TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.00

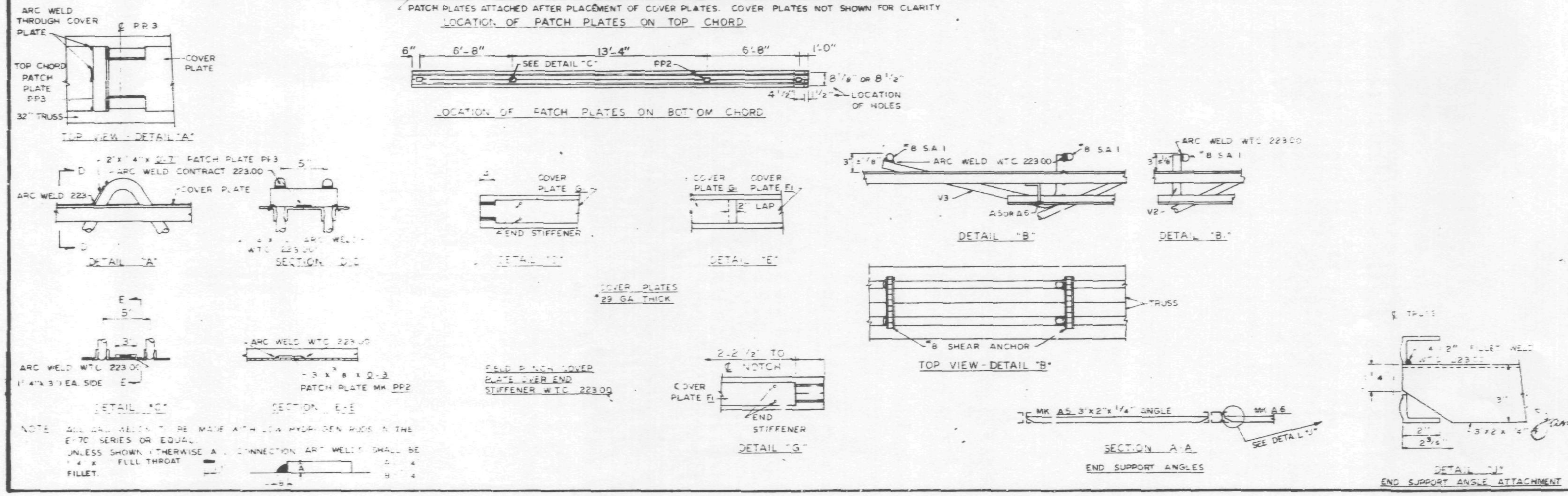


CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4½" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF DRWGS
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T11A	2	2T11A 19'-11"	BT211A
3"x 2"x ¼" ANGLE	A1	3	3"x2"x¼"x 19'-11"	ST 03
	A5	4	3"x2"x¼"x 6'-1 13/16"	ST403
	A6	2	3"x2"x¼" -2"	ST403
DIAGONAL FLATS	F1	6	1½"x5 -8"	ST402
PATCH PLATES	PP3	12	x ¼" x 0'-7"	ST 400
	PP2	12	3" x ⅜" x 0'-3"	ST 400
COVER PLATES	G1		7" x .0135" x 17'-10½"	ST303
	F1		7" x .0135" x 17'-3½"	ST303
ANGLE CLIPS	C2	12	2½" x 1½" x ¼" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3½" x 3½" x ⅜" x 3'-6 7/8"	ST298
		1		
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3½" x ⅜" x 0'-6½"	ST 400
	P2	2	4½" x .39" x 0'-9"	ST 400
⚠1	P7	2	6½" x ½" x 1'-0"	ST 401

NO.	DATE	REVISION	BY
2	2-21-69	AS NOTED	
1	10-16-68	LIST OF MATERIAL	

REF DRWGS	
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	5-8-68
7-AB4-39-41	1-3-68
SA-124	10-20-67
AB3-2	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2 6	2-15-68
7-AB4 42	4-1-68

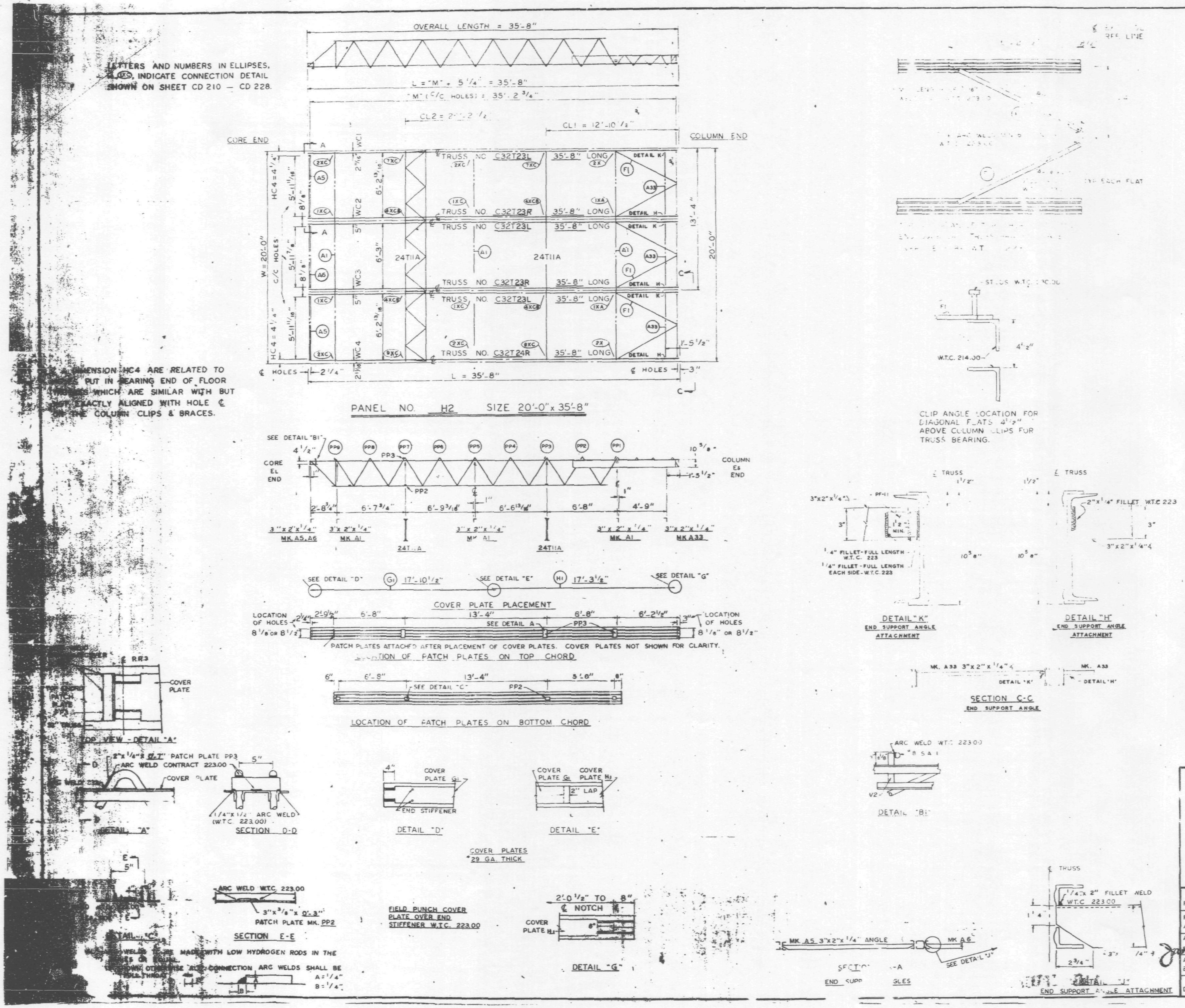


NOTE: ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ¼" x FULL THROAT FILLET.

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG A FLOORS 10-24, 26-40 (EAST & WEST) 46-49, 50-58, 60-66, 68-74 (EAST)
PANEL HR1 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB3-18 5-10-68	PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 2/28/69	DRAWN BY R.B. DATE APRIL 10, 1968	
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 10, 1968	
DETAILED:		FABRICATION CONT NO W.T.C. 221	SHEET NO. FP-HR1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T23L	3	C32T23L - 35'-8"	ST223L
	T23R	2	C32T23R - 35'-8"	ST 223L
	T24R	1	C32T24R - 35'-8"	ST 224L
BRIDGING TRUSSES	T1A	2	24 T11A - 19'-11"	ST211A
3"x2"x1/4" ANGLE	A	3	3"x2"x1/4"x 19'-11"	ST 403
	A5	2	3"x2"x1/4"x 6'-1 13/16"	ST 403
	A6	1	3"x2"x1/4"x 6'-2"	ST 403
	A33	3	3"x2"x1/4"x 5'-10 1/2"	ST 410
PATCH PLATES	PP3	12	2"x1/4"x 0'-7"	ST 400
	PP2	12	3"x3/8"x 0'-3"	ST 400
COVER PLATES	G1	3	7"x.0135"x 17'-10 1/2"	ST 303
	H1	3	7"x.0135"x 17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2"x 1 1/2"x 1/4"x 6"	ST 400
#8 SHEAR ANCHOR	SA1	3	#8 REBAR x 0'-7"	ST 400
DIAGONAL FLATS	F1	5	1 1/2"x 5/8"x 6'-8"	ST 402
CONNECTION BAR	CB1	3	1" Φ x 1'-3"	ST 400
CONNECTION PLATES	P1	2	3 1/2"x 3/8"x 0'-6 1/2"	ST 400
	P2	2	4 1/2"x .39"x 0'-9"	ST 400
	P7	2	6 1/2"x .50"x 1'-0"	ST 401
CLOSURE PLATE	PF11	3	3"x1/4"x 0'-2 3/8"	ST412

NO.	DATE	REVISION	BY

REF. DRWG.

7-AB4-3	10-15-68
7-AB4-15 & 16	7-22-68
7-AB4-15.2	10-4-68
SA-124	10-6?-68
7-AB3-38	10-4-68
7-AB1-22	10-4-68
7-AB2-6	7-22-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25, 59, 92, (NORTH & SOUTH)

PANEL H2 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS

DESIGN DRAWING NO. 7-AB3-38 PLATE

APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A. DATE 7/10/69

DRAWN BY ___ DATE JULY 2, 1969

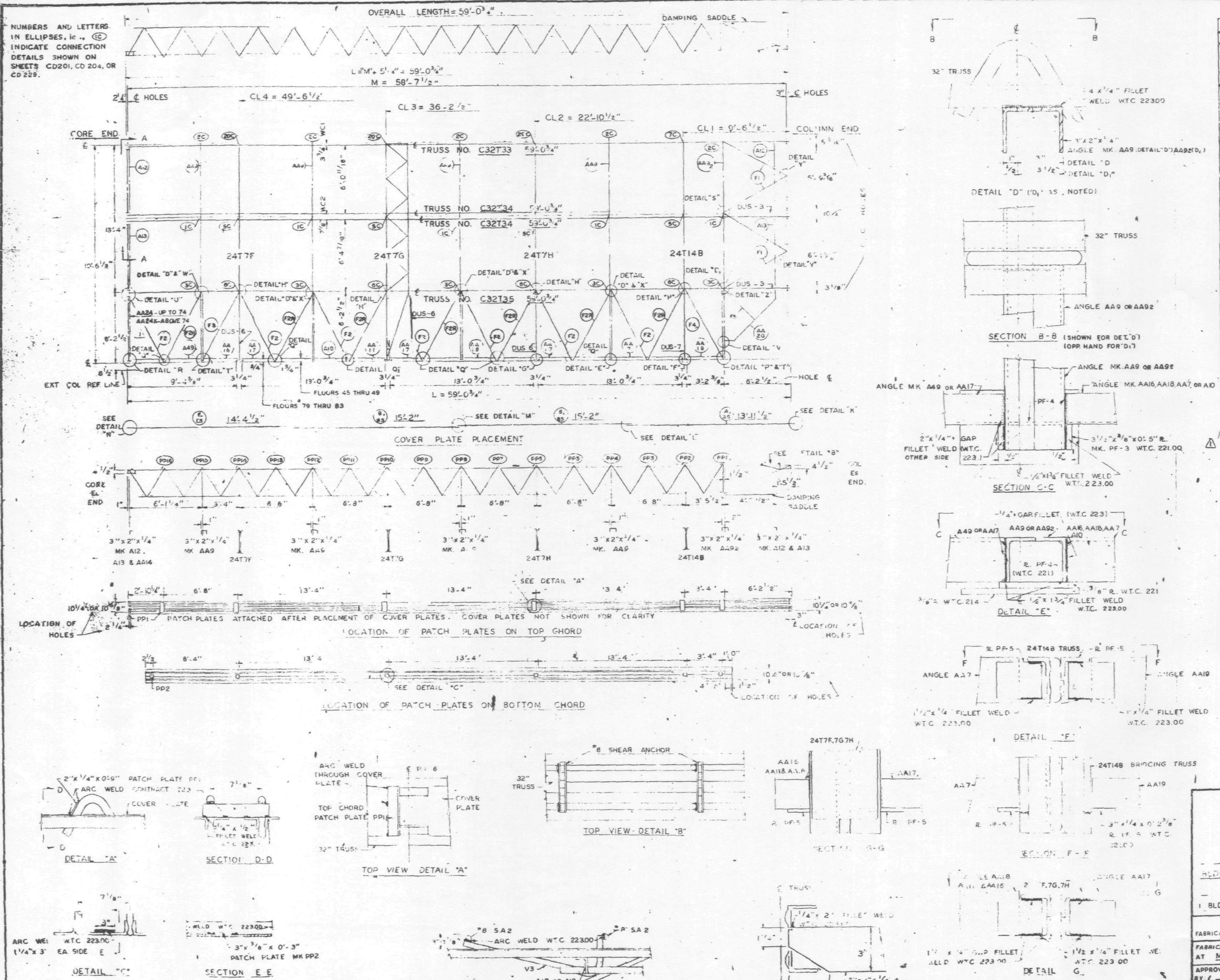
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR DATE ______

CHECKED BY T.M. CHURA DATE JULY 3, 1969

DETAILED BY A.C. WEBER — LACLEDE STEEL CO.

FABRICATION CONT. NO. W.T.C. 221

SHEET FP-H2



NOTE 1. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E70 SERIES OR EQUAL
2. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE ¼"x1" FILLET WELDS
SEE SHEET FP-F3-2 FOR DETAILS CALLED FOR BUT NOT SHOWN ON THIS SHEET

REQUIRED MATERIAL, PER PANEL				REF.
MATERIAL	MK	PCS	SIZE	DRWG.
FLOOR TRUSSES	T33	1	C32T33 - 59'-0¾"	ST233
	T34	2	C32T34 - 59'-0¾"	ST234
	T35	1	C32T35 - 59'-0¾"	ST235
BRIDGING TRUSSES	T7F	1	24T7F - 19'-6"	BT207F
	T7G	1	24T7G - 19'-6"	BT207G
	T7H	1	24T7H - 19'-6"	BT207H
	T14B	1	24T14B - 19'-6"	BT214B
3"x 2"x ¼" ANGLES	A10	1	3"x2"x¼"x 2'-7 15/16"	ST 404
	A12	2	3"x2"x¼"x 5'-11 11/16"	ST 404
	A13	2	3"x2"x¼"x 6'-3 7/16"	ST 404
	A49	1	3"x2"x¼"x 8'-0 11/16"	ST 413
ANGLE ASSEMBLY *(AA24 IS REPLACED BY AA24X ABOVE FLR. 74) ⚠1	AA7	1	SEE REF. DRWG.	ST 404
	AA9	4	SEE REF. DRWG.	ST 404
	AA92	1	SEE REF. DRWG.	ST 404
	AA11	1	SEE REF. DRWG.	ST 404
	AA16	1	SEE REF. DRWG.	ST 404
	AA17	3	SEE REF. DRWG.	ST 404
	AA18	1	SEE REF. DRWG.	ST 404
	AA19	1	SEE REF. DRWG.	ST 404
	*AA24	1	SEE REF. DRWG.	ST 412
DIAGONAL FLATS	F1	4	1½"x ⅝"x 6'-8"	ST402
	F2 / F2R	7 / 7	1½"x ⅝"x 6'-10½"	ST402
	F3	1	1½"x ⅝"x 6'-11¼"	ST402
	F4	1	1½"x ⅝"x 7'-0	ST402
	F5	1	1½"x ⅝ x 4'-4"	ST402
PATCH PLATES	PP1	6	2"x ¼"x 0'-9"	ST400
	PP2	6	3"x ⅜"x 0'-3"	ST400
COVER PLATES	A	1	9"x .0135"x 13'-11½	ST303
	B	2	9"x .0135"x 15'-2"	ST303
	E	1	9"x .0135"x 14'-4½"	ST303
	As	1	3½"x .0135"x 13'-11½"	ST303
	Bs	2	3½"x .0135"x 15'-2	ST303
	Es	1	3½"x .0135"x 14'-4½	ST303
ANGLE CLIPS ⚠1	C2	4	2½"x 1½"x ¼"x 0'-6"	ST 400
	C1	12	2"x 1½"x ¼"x 0'-6"	ST400
DAMPING SADDLE	DUS-3	1	3½"x 3½"x ⅜"x 3'-6⅞"	ST298
	DUS-5	1	3½"x 3½"x ⅜"x 3'-6⅞"	ST299
	DUS-6	3	3½"x 3½"x ⅜"x 4'-4⅞"	ST299
	DUS-7	1	3½"x 3½"x ⅜"x 4'-4⅞"	ST299
MISC. PLATES	PF-1	2	1½"x ½"x 0'-4"	ST400
	PF-3	5	3½"x ⅜"x 0'-3"	ST400
CONN ANGLE	C5	1	3 x 2"x ⅜"x 0'-3"	ST413
CORNER ANGLE ASSEMBLY	AA20	1	SEE REF. DRWG	ST405
#8 SHEAR ANCHOR	SA2	2	#8 REBAR x 0'-9"	ST 400

NO	DATE	REVISION	BY
⚠1	4-8-69	AS NOTED	G.D.C.

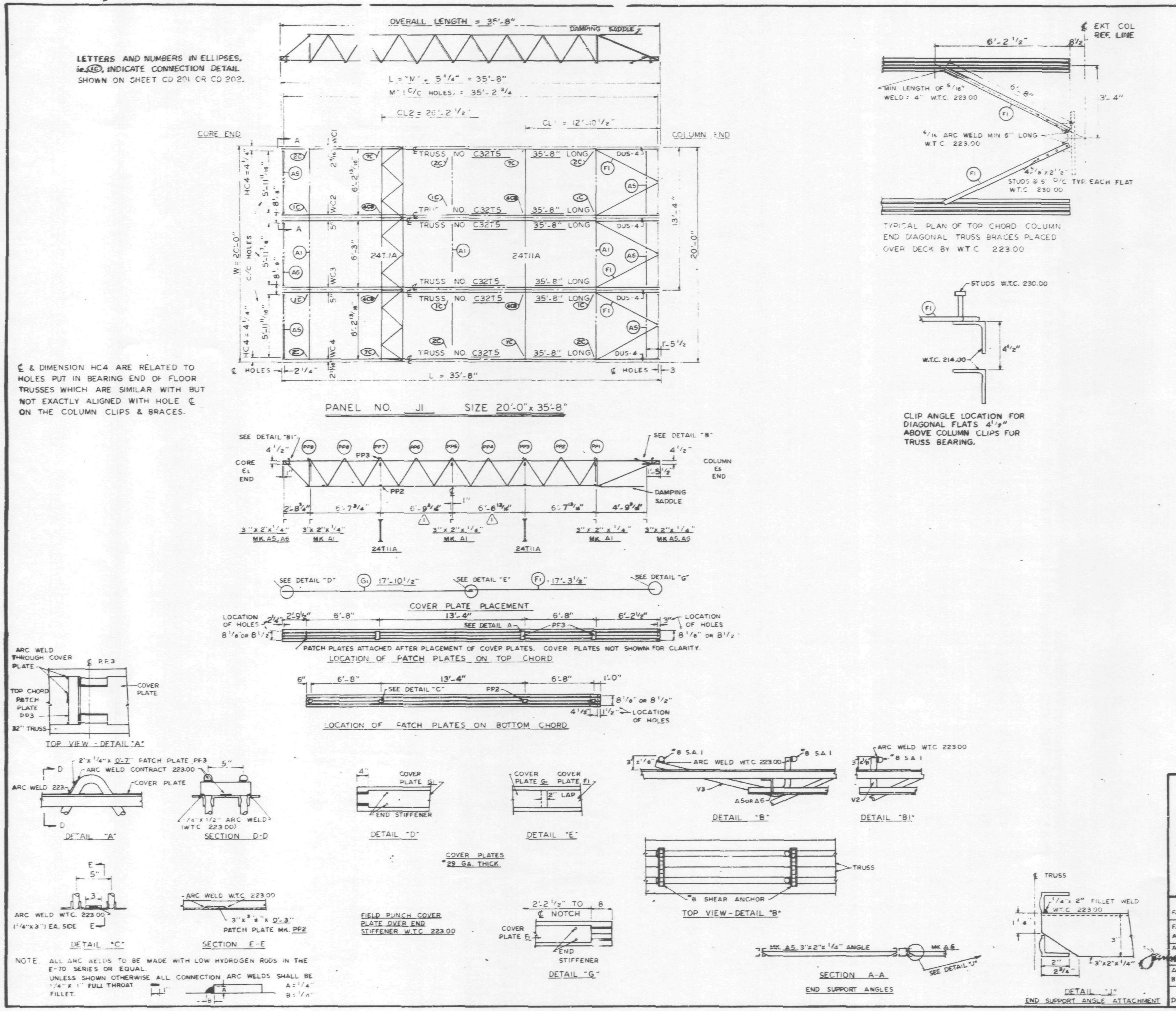
REF. DRWG.			
7-AB1-30	1-6-69	SA-124	1-6-69
7-AB1-31	1-6-69	7-AB4-14,14.1	10-15-68
7-AB1-32	1-6-69	7-AB4-15,16	7-22-68
7-AB2-9	1-6-69	7-AB4-21	7-22-68
7-AB2-16	1-6-69	7-AB4-23,25	7-22-68
7-AB3-41	1-6-69	7-AB4-29	1-3-69
7-AB3-51	1-6-69	7-AB4-39-41,43	7-22-68
7-AB4-3	10-15-68	7-AB4-42	10-15-68
		7-AB4-45	12-20-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 78 (NORTH & SOUTH) 44 (NORTH)
PANEL F3 19'-5" x 59'-0¾"
BLDG. B FLOORS 44 & 78 (EAST & WEST)

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-51	PLATE
APPROVED FOR FABRICATION BY: [signature] FOR P.O.N.Y.A.	DATE 4/25/69	DRAWN BY: [initials] DATE JAN. 17, 1969	
APPROVED FOR FABRICATION BY: FOR FABRICATOR	DATE	CHECKED BY: T.M. CHURA DATE JAN. 17, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY: [redacted]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-F3



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	6	C32T5 - 35'-8"	ST295
BRIDGING TRUSSES	T11A	2	2T11A - [illegible] -11"	BT211A
3"x2"x1/4" ANGLE	A1	3	3"x2"x1/4"x19'- [illegible]"	ST403
	A5	4	3"x2"x1/4"x6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x [illegible]	ST403
DIAGONAL FLATS	F1	6	1 1/2"x5 [illegible]	ST402
PATCH PLATES	PP3	16	2" [illegible] 4"x 0'-7"	ST 400
	PP2	16	3"x 3/8"x 0'-3"	ST 400
COVER PLATES	G1	4	7"x.0135"x17'-10 1/2"	ST 303
	F1	4	7"x.0135"x17'-3 1/2"	ST 303
ANGLE CLIPS	C2	12	2 1/2 x 1 1/2 x 1/4" x 6"	ST 400
#8 SHEAR ANCHOR	SA1	12	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	4	3 1/2"x 3 1/2"x 3/8"x 3'-6 7/8"	ST298
CONNECTION BAR	CB1	4	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	6	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	4	4 1/2" x .39" x 0'-9"	ST 400
	P3	4	4 1/2" x .39" x 1'-0"	ST 400

NO.	DATE	REVISION	BY
1	2-21-69	AS NOTED	G.D.C.

REF. DRWG

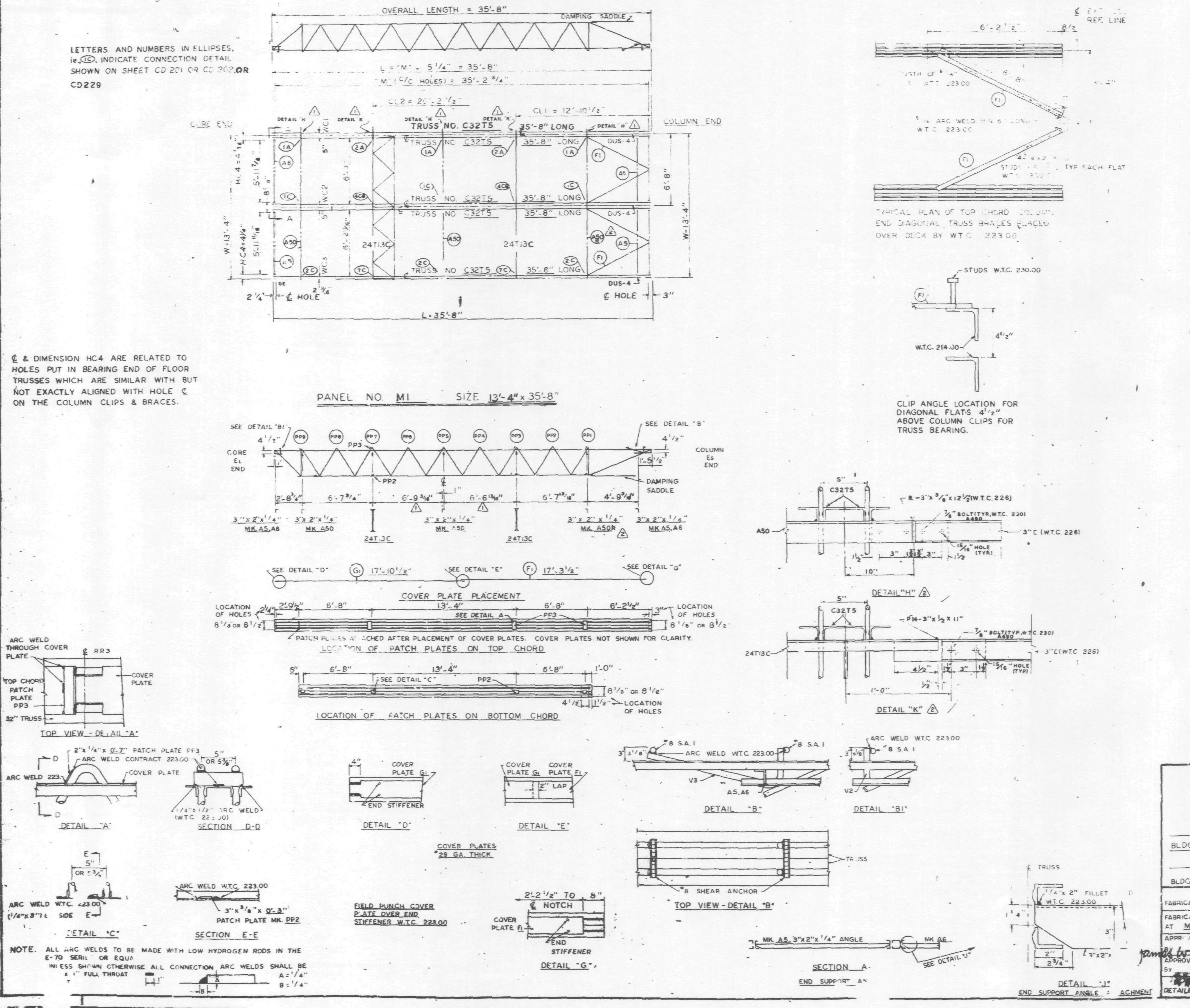
7-AB4-3 & 31	1-3-68
7-AB4-15 & 16	5-6-68
7-AB4-39-41	1-3-68
SA-124	10-20-67
7-AB3-2	1-3-68
7-AB1-11 & 12	5-10-68
7-AB2-6	2-15-68
7-AB4-42	4-1-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 10-24, 26-40, 50-58, 60-66, 68-74, 84-91 &
93-106 (EAST & WEST) PANEL J1 - 20'-0" x 35'-8"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS		DESIGN DRAWING NO. 7-AB3-9 5-10-68 PLATE
APPROVED FOR FABRICATION [signature] FOR P.O.N.Y.A.	DATE 2/28/69	DRAWN BY R.R. DATE APRIL 10, 1968
APPROVED FOR FABRICATION BY ____ FOR FABRICATOR	DATE	CHECKED BY T.M. CHURA DATE APRIL 10, 1968
LACLEDE STEEL CO. DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221 / SHEET NO. FP-J1



REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	5	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13C	2	2T13C - 14'-1½	BT213C
3"x2"x1/4" ANGLE (2)	A50 / A50R	2 / 1	3"x2"x1/4"x14'-1¼"	ST 413
	A5	2	3"x2"x1/4"x6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x6'-2"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP3	12	2"x1/4"x0'-7"	ST 400
	PP2	12	3"x3/8"x0'-3"	ST 400
COVER PLATES	G1	3	7"x.0135"x17'-10 1/2"	ST303
	F1	3	7"x.0135"x17'-3 1/2"	ST303
ANGLE CLIPS	C2	8	2½"x1½"x1/4"x6"	ST 400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST 400
DAMPING SADDLE	DUS-4	3	3½"x3½"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ⌀ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3½"x3/8"x0'-6½"	ST 400
	P2	2	4½"x.39"x0'-9"	ST 400
	P3	2	4½"x.39"x1'-0"	ST 400
	P14	2	3"x1/2"x0'-11"	ST 409

NO.	DATE	REVISION	BY
2	4-18-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

REF. DRWG.

7-AB3-22	7-22-68
7-AB4-3 & 3.1	1-3-68
7-AB4-15 & 16	7-22-68
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2	7-22-68
7-AB4-42	10-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 45-49 (WEST), 80-83 (EAST)

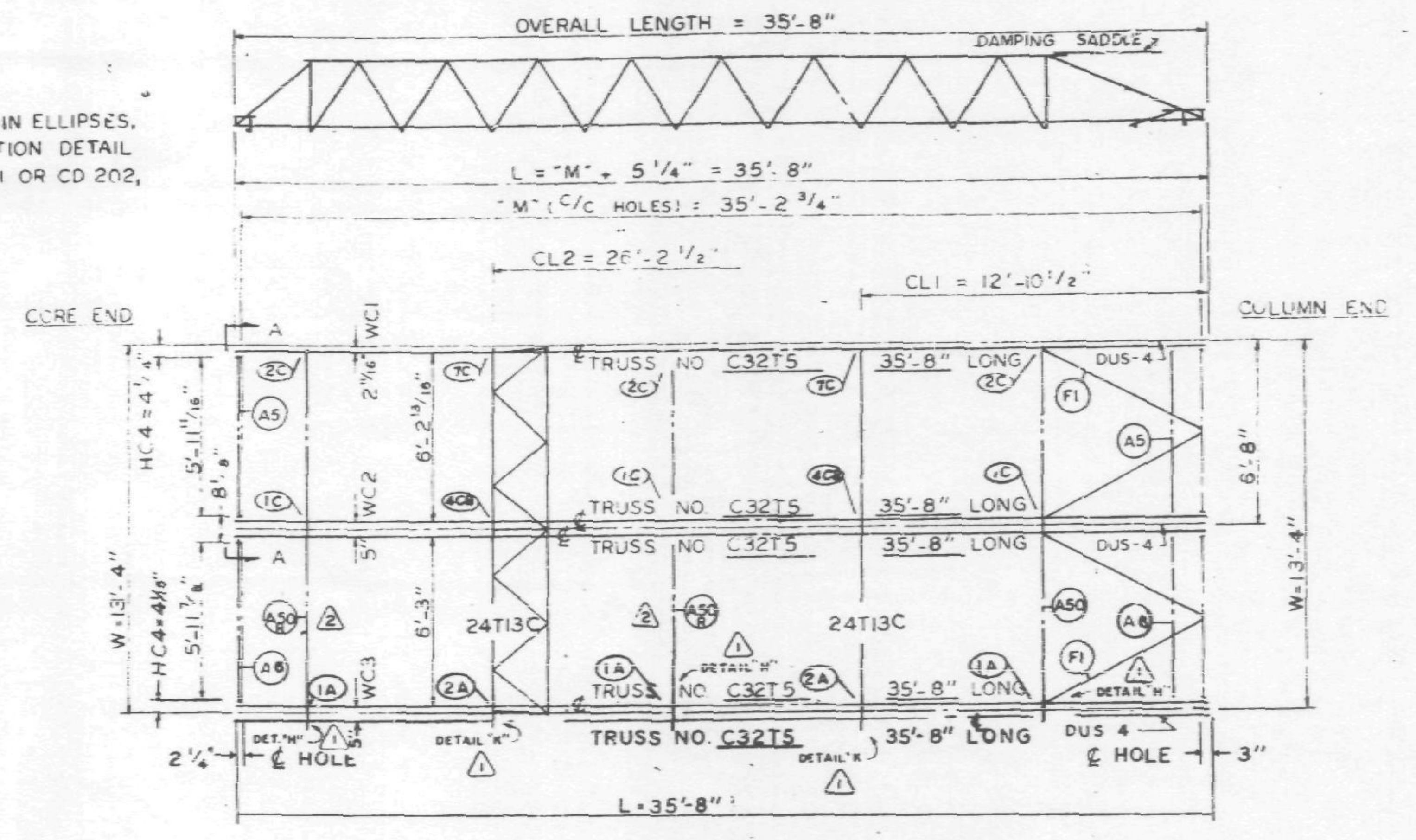
PANEL M1 - 13'-4" x 35'-8"

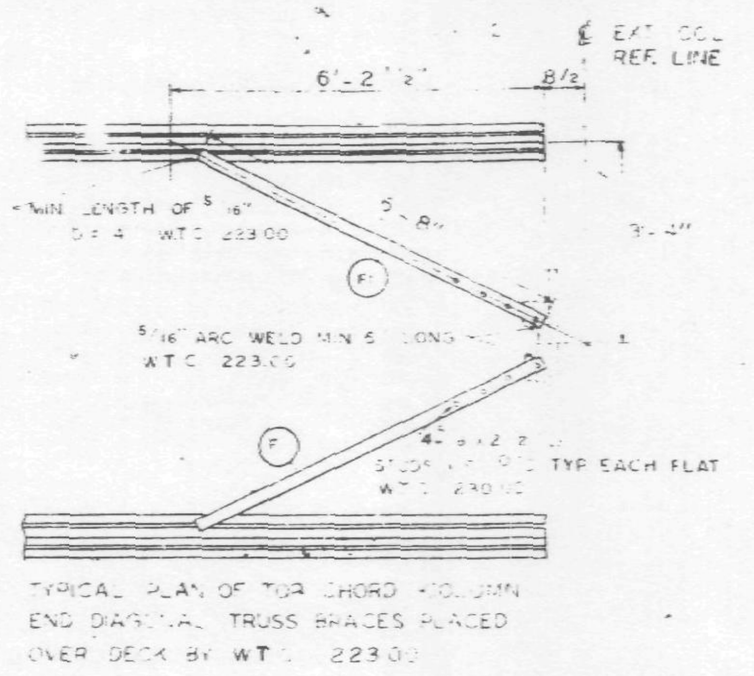
BLDG. B FLOORS 45-49 (SOUTH) 80-83 (NORTH) (2)

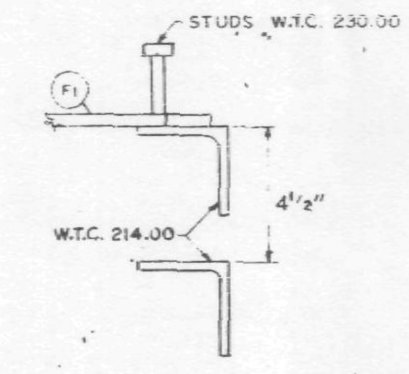
FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINIOIS		DESIGN DRAWING NO. 7-AB3-22	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 4/25/69	DRAWN BY [illegible] DATE 1-29-69	
APPROVED FOR FABRICATION BY FOR	DATE	CHECKED BY T.M. CHURA DATE 1-29-69	
DETAILED BY [illegible]		FABRICATION CONT NO. W.T.C. 221	SHEET NO. FP-M1

LETTERS AND NUMBERS IN ELLIPSES, ie. (1C), INDICATE CONNECTION DETAIL SHOWN ON SHEET CD 201 OR CD 202, OR CD 229





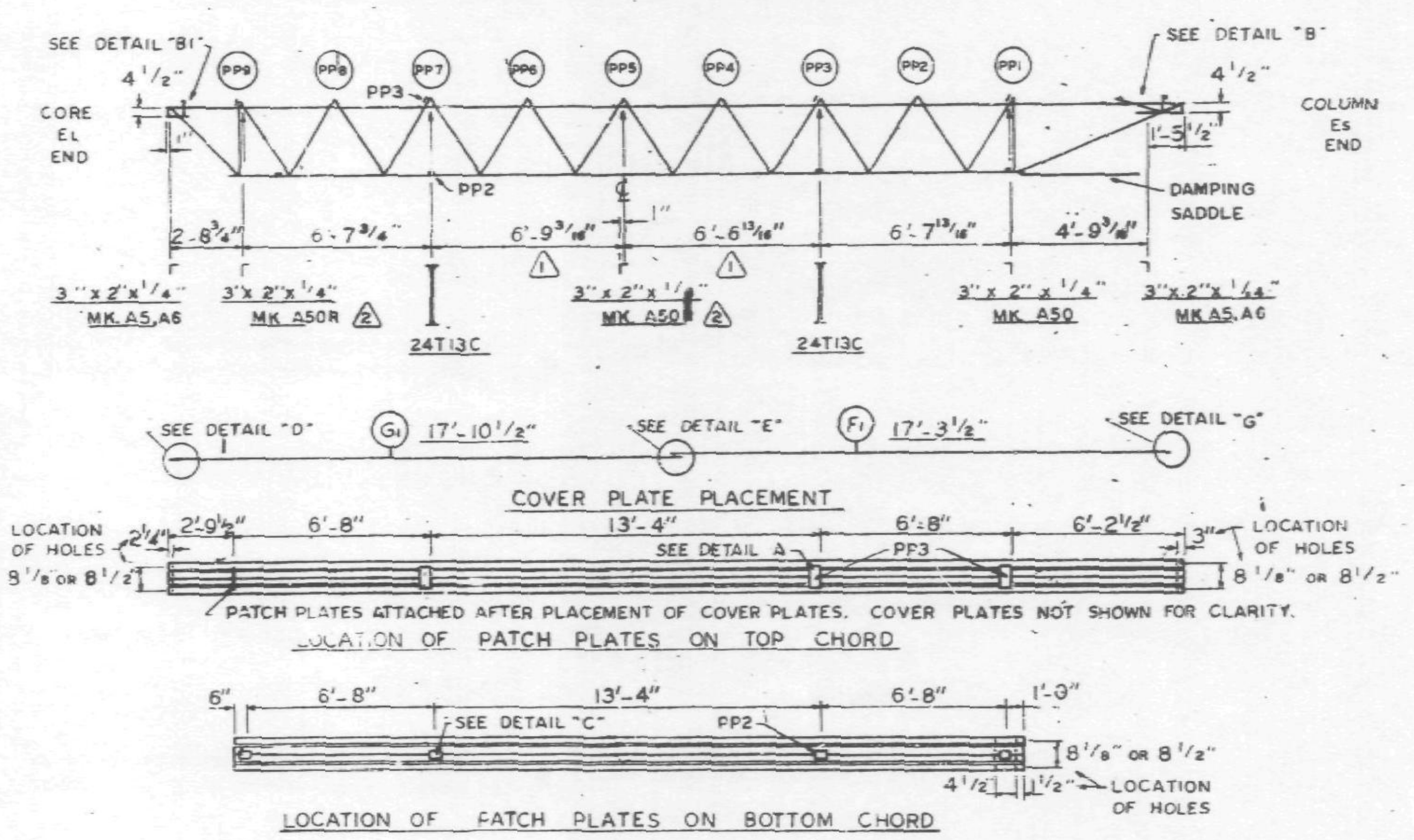


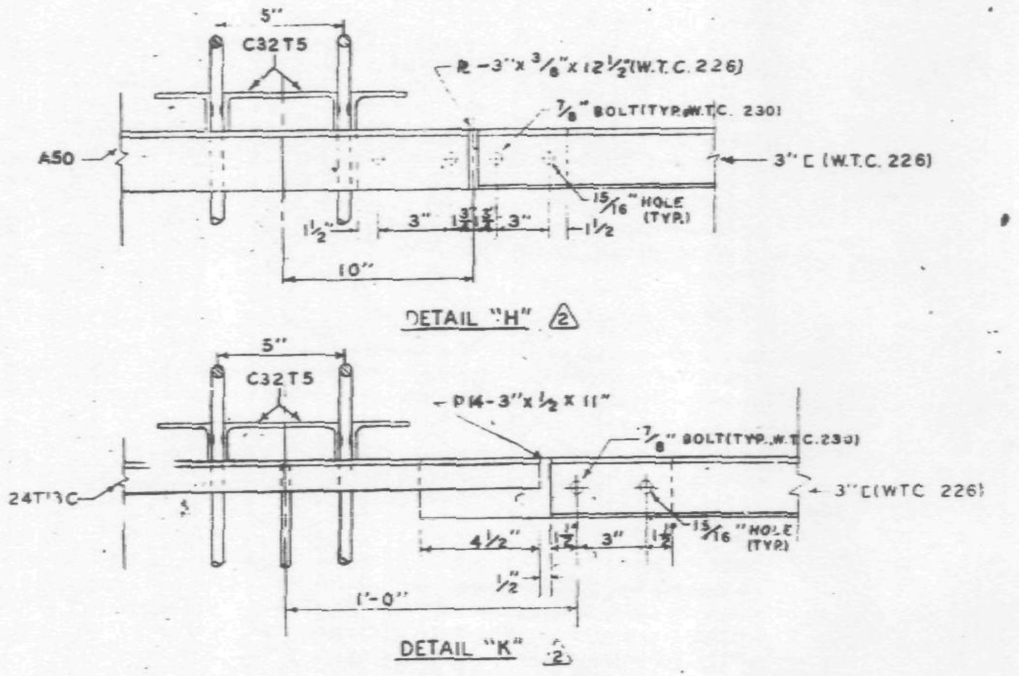
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF. DRWG.
MATERIAL	MK	PCS	SIZE	
FLOOR TRUSSES	T5	5	C32T5 - 35'-8"	ST205
BRIDGING TRUSSES	T13C	2	2T13C - 14'-1 1/2	BT213C
3"x2"x1/4" ANGLE (2)	A50 / A50R	1 / 2	3"x2"x1/4"x14'-1 1/4"	ST413
	A5	2	3"x2"x1/4"x6'-1 13/16"	ST403
	A6	2	3"x2"x1/4"x6'-2"	ST403
DIAGONAL FLATS	F1	4	1 1/2"x5/8"x6'-8"	ST402
PATCH PLATES	PP3	12	2"x1/4"x0'-7"	ST400
	PP2	12	3"x3/8"x0'-3"	ST400
COVER PLATES	G1	3	7"x.0135"x17'-10 1/2"	ST303
	F1	3	7"x.0135"x17'-3 1/2"	ST303
ANGLE CLIPS	C2	8	2 1/2"x1 1/2"x1/4"x6"	ST400
#8 SHEAR ANCHOR	SA1	9	#8 REBAR x 0'-7"	ST400
DAMPING SADDLE	DUS-4	3	3 1/2"x3 1/2"x3/8"x3'-6 7/8"	ST298
CONNECTION BAR	CB1	2	1" ϕ x 1'-3"	ST 400
CONNECTION PLATES	P1	3	3 1/2"x3/8"x0'-6 1/2"	ST400
	P2	2	4 1/2"x.39"x0'-9"	ST400
	P3	2	4 1/2"x.39"x1'-0"	ST400
	P14	2	3"x1/2"x0'-11"	ST409

℄ & DIMENSION HC4 ARE RELATED TO HOLES PUT IN BEARING END OF FLOOR TRUSSES WHICH ARE SIMILAR WITH BUT NOT EXACTLY ALIGNED WITH HOLE ℄ ON THE COLUMN CLIPS & BRACES.

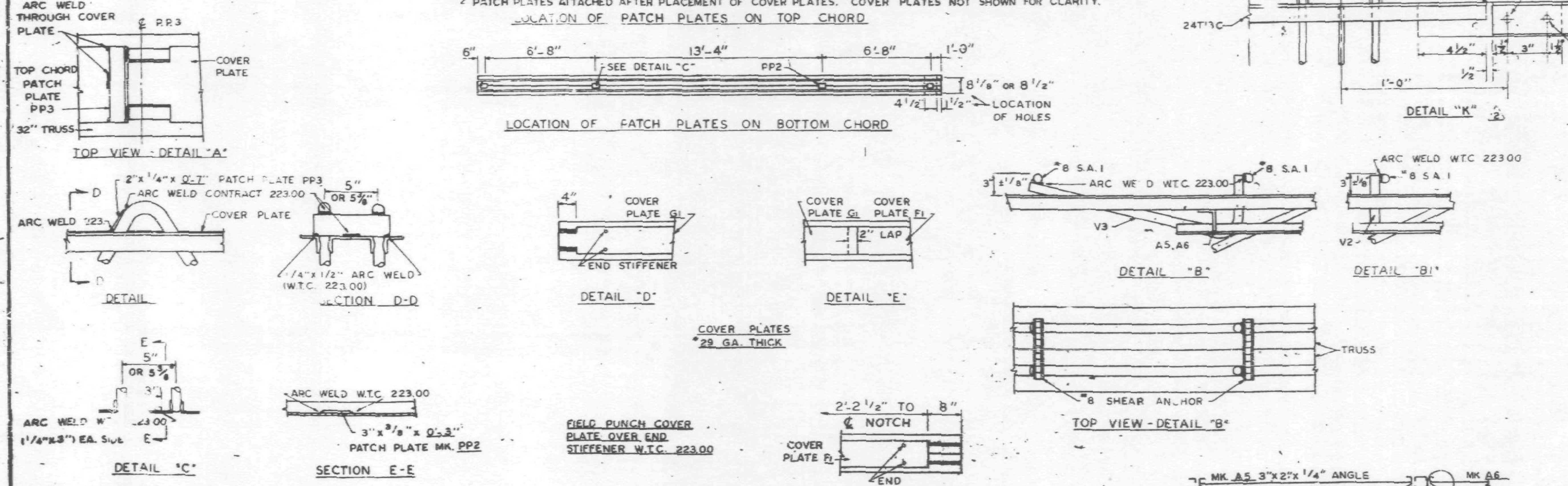
PANEL NO. MR1 SIZE 13'-4"x35'-8"

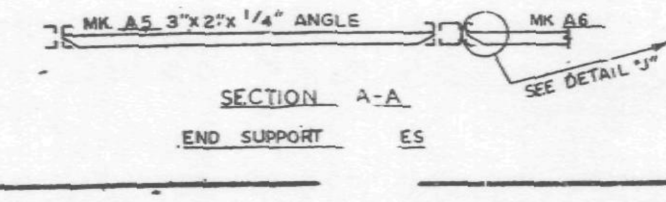


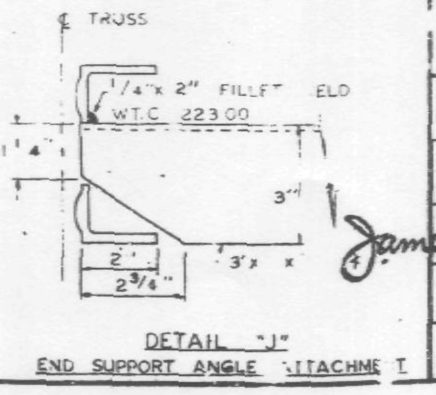


NO.	DATE	REVISION	
2	4-18-69	AS NOTED	G.D.C.
1	3-11-69	AS NOTED	G.D.C.

REF. DRWG.	
7-AB3-23	7-22-68
7-AB4-3 & 3.1	1-3-68
7-AB4-15 & 16	7-22-69
7-AB4-39-41	7-22-68
SA-124	1-6-69
7-AB3-2	1-3-68
7-AB1-11 & 12	7-22-68
7-AB2	7-22-68
7-AB4-42	10-15-68





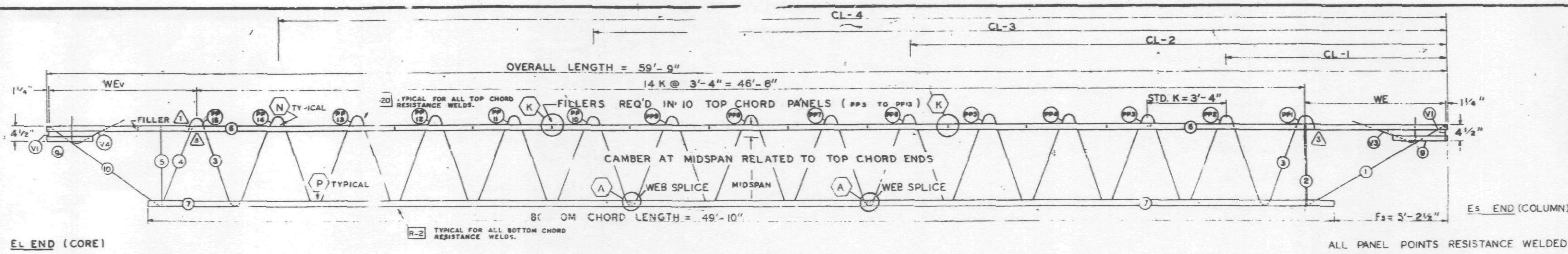


NOTE. ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL. UNLESS SHOWN OTHERWISE ALL CONNECTION ARC WELDS SHALL BE 1/4" x 1 FULL THROAT FILLET. A = 1/4", B = 1/4"

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. A FLOORS 46-49 (EAST), 79-83 (WEST)
PANEL MR1 - 13'-4" x 35'-8"
BLDG. B FLOORS 46-49 (NORTH) 79-83 (SOUTH) (2)

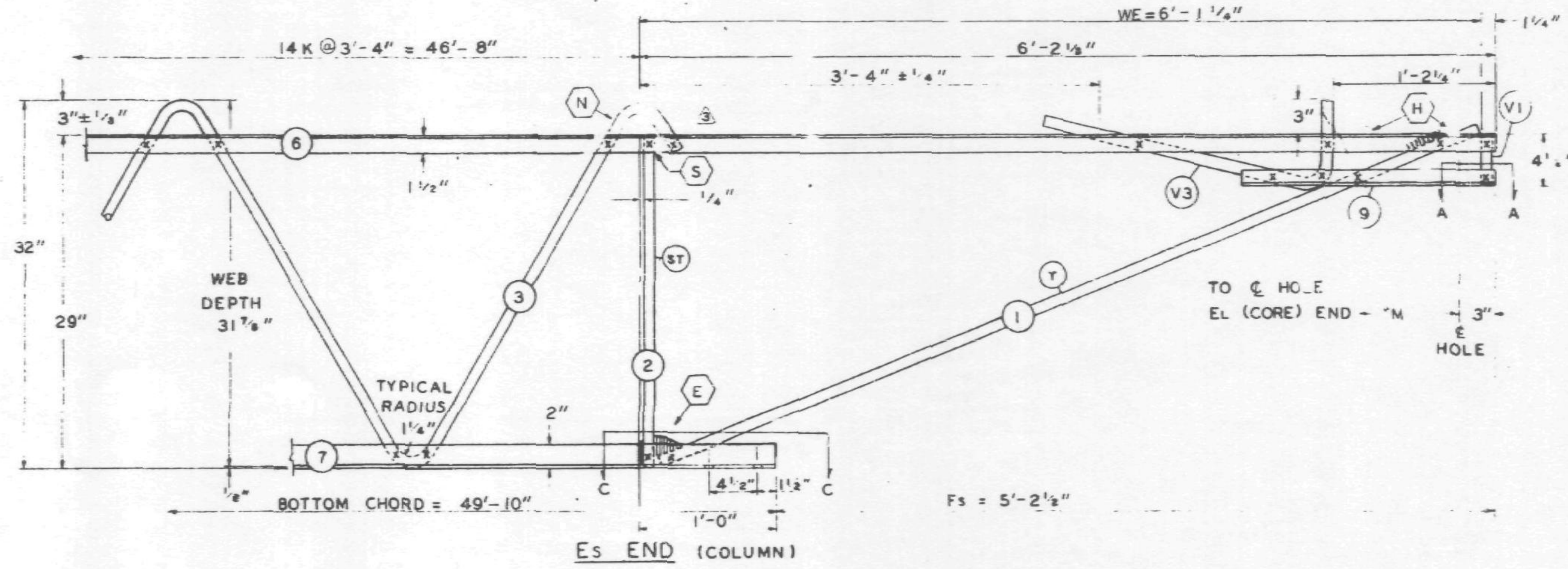
FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB3-23	PLATE
APPROVED FOR FABRICATION James White FOR P.O.N.Y.A.	DATE 4/25/69	DRAWN BY ___ DATE 1-29-69	
APPROVED FOR FABRICATION BY ___ FOR LACLEDE STEEL CO.	DATE	CHECKED BY T.M. CHURA DATE 1-29-69	
DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FP-MR1



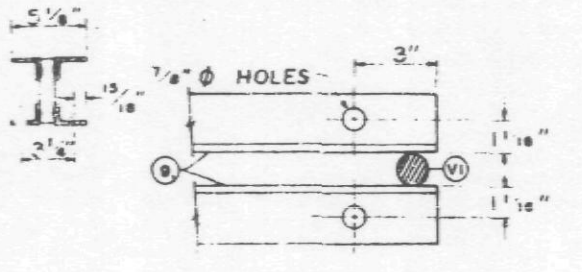
TRUSS ELEVATION

ALL PANEL POINTS RESISTANCE WELDED (x).
ARC WELDS INDICATED AT SHADED AREAS AND AT BOTTOM CHORD WEB SPLICES.
ALL WELD DETAILS SHOWN ON SHEETS ST290 AND ST291.

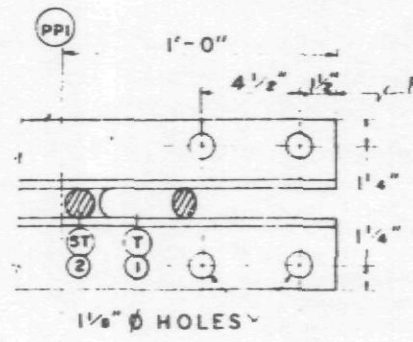
SEE SHEET ST295 FOR V1, V3, & V4 DETAILS.
LETTERS IN HEXAGON INDICATE WELD DETAIL, ie., (A).
⚠ LETTERS AND NUMBERS IN SQUARES INDICATE RESISTANCE WELD STRENGTH IDENTIFIED IN THE QUALITY CONTROL PROGRAM, ie., R-2.



Es END (COLUMN)

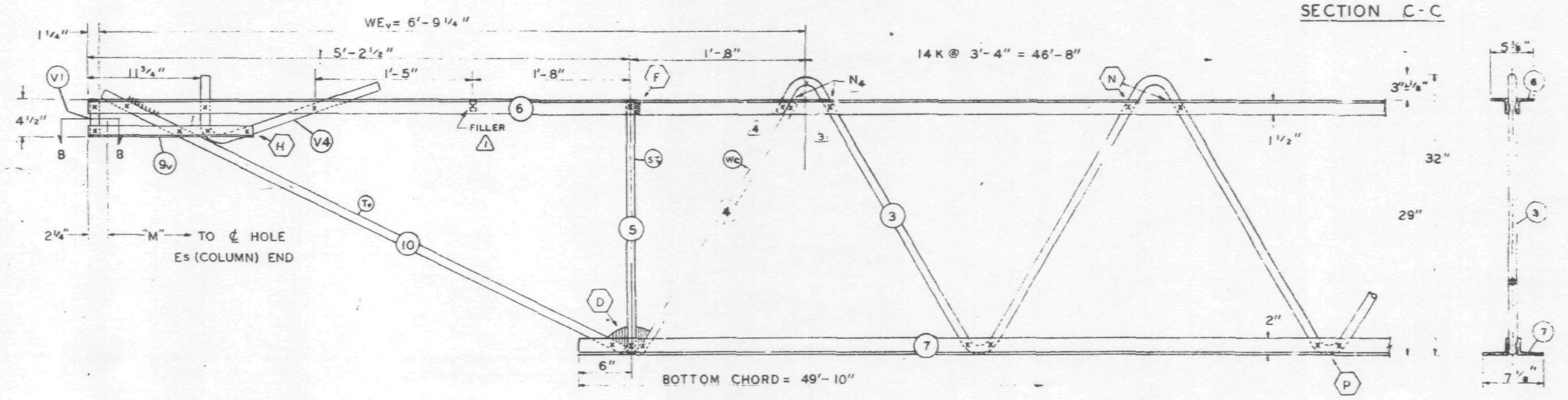


SECTION A-A

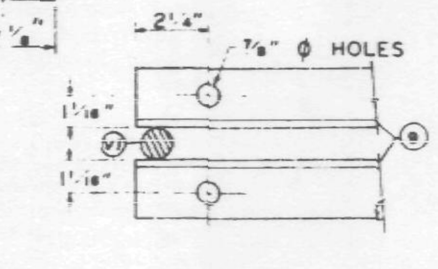


SECTION C-C

DAMPING UNIT CONNECTION PLATE ATTACHED TO BOTTOM CHORD (COL. END) IN FIELD. ASSEMBLY BY CONTRACT WTC 223.00.



EL END (CORE)



SECTION B-B

FABRICATION REQUIRMENTS	DESIGN	TOLERANCE
CAMBER AT MIDSPAN ⚠2	2"	± 3/8"
DESIGN DEPTH	29"	± 1/4"
PANEL "K"	3'-4"	± 1/4"
OVERALL LENGTH	59'-9"	± 3/8"
WEB DEPTH	31 ⅞"	± 1/4"

NO.	DATE	REVISION	BY
4	12-6-68	AS NOTED	G.D.C.
3	10-7-68	AS NOTED	G.D.C.
2	6-22-68	CAMBER, REF. DRWG. DATE	T.M.C.
1	3-13-68	FILLER AND WELD DETAIL	J.R.P.

⚠3 REF. DRWGS.

7-ABI-2	7-22-68
7-ABI-52	2-15-68
7-AB4-50	8-1-68
7-AB3-2	1-3-68
7-AB4-50.5	10-20-67
7-ABI-53 ⚠2	7-22-68

PAINT
LACLEDE ELECTROCOAT
RED NO. 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES				BOTTOM CHORD TWO ANGLES				MAIN WEB "W"					FILLER		"M" C-C HOLES	TRUSS DATA	
	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK	TYPE STEEL	DIA	LENGTH	NO. OF K	NO.	DIA.			
C32TIA-599	6	A242	2"x1½"x.25"	59'-9"	7	A36	3"x2"x.37"	49'-10"	3	A36	1.09	88'-1¼"	14 @ 3'-4" = 46'-8" ⚠3	11	1.09	59'-3¾"		

COLUMN END

Es END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK. V1			END STIFFENER MK. V3		
		MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA	LENGTH	MK.	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA	LENGTH
	C32TIA-599	9	A242	2"x1½"x.25"	1'-10"	6'-1¼"	1	A242	1.14	6'-5"	2	A36	1.09 ⚠3	2'-4⅞"	A242	1.14	4⅜"	A242	1.14	2'-9½"

CORE END

EL END	TRUSS DESIGNATION	BEARING ANGLES				WEv	DIAGONAL "Tv" STRUT				VERTICAL "STv" STRUT				END STIFFENER MK. V1			END STIFFENER MK.			END STIFFENER MK. V4			WEB "WC"					WEB "WT"				
		MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA.	LENGTH	MK	TYPE STEEL	PCS	DIA	LENGTH	MK.	TYPE STEEL	PCS	DIA.	LENGTH
	C32TIA-599	9v	A242	2"x1½"x.25"	1'-7"	6'-9¼"	10	A242	1.14	5'-6½"	5	A242	1.14	2'-4⅞"	A242	1.14	4⅜"	—	—	—	A242	1.14	2'-2¼"	4	A242	1	1.14 ⚠3	2'-10"	—	—	—	—	—

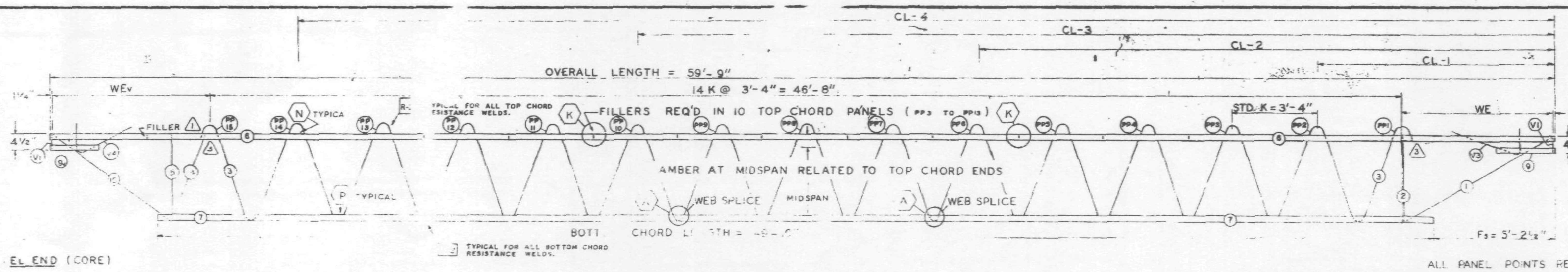
CHECK DIMENSION FOR TRUSS FAB.

LOCATION OF TRANS. TRUSS				
CL-1	CL-2	CL-3	CL-4	Fs
9'-6½"	22'-10½"	36'-2½"	49'-6½"	5'-2¼"

STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOOR TRUSS C32TIA 59'-9" OVERALL
WORLD TRADE CENTER TOWERS A-B

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT: MADISON, ILLINOIS		DESIGN DRAWING NO. 7-ABI-2 7-AB3-2 PLATE	
APPROVED FOR FABRICATION BY: James W. ... FOR P.O.N.Y.A.	DATE 12/11/68	DRAWN BY: ... DATE: FEB. 24, 1968	
APPROVED FOR FABRICATION BY: A.C. WEBER FOR FABRICATOR	DATE.	CHECKED BY: J.R. PAUL DATE FEB. 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. ST201A

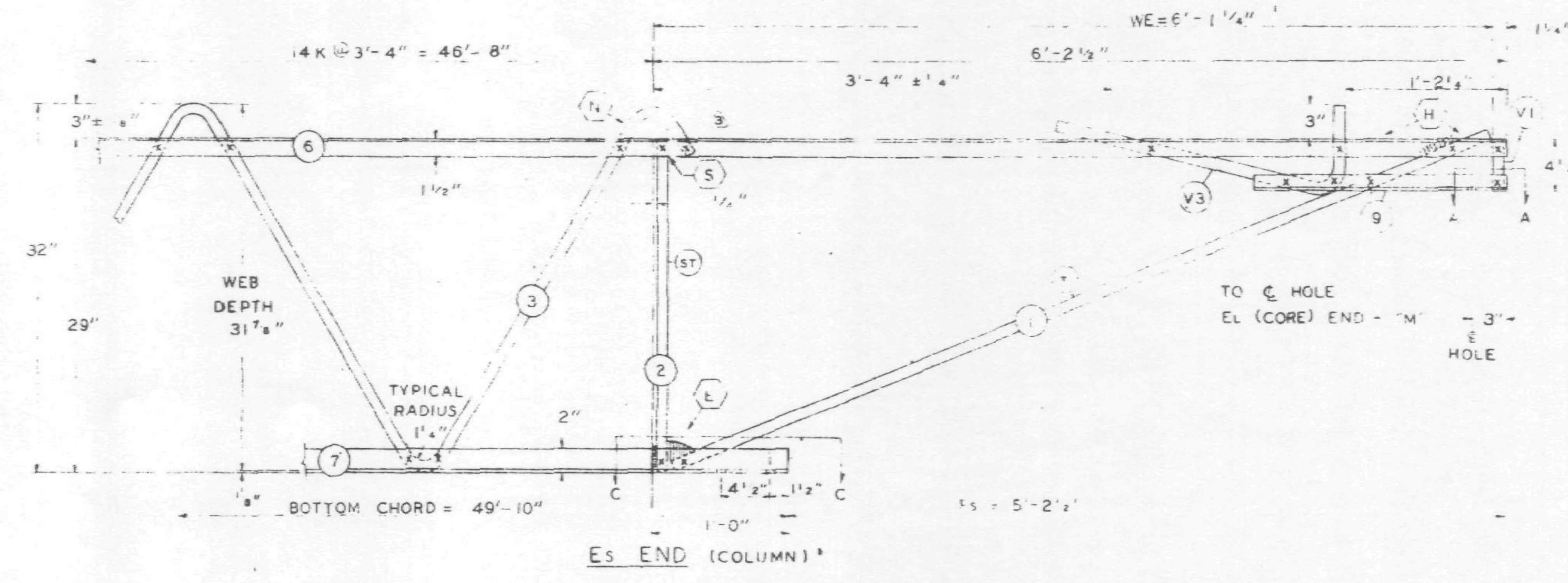


TRUSS ELEVATION

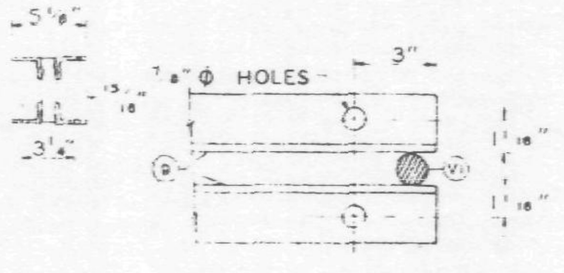
ALL PANEL POINTS RESISTANCE WELDED (x).
ARC WELDS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES.
ALL WELD DETAILS SHOWN ON SHEET ST290
AND ST291.

SEE SHEET ST295 FOR V1, V3, & V4 DETAIL
LETTERS IN HEXAGON INDICATE WELD DETAIL, ie., ⟨A⟩.
⚠1 LETTERS AND NUMBERS IN SQUARES INDICATE RESISTANCE WELD STRENGTH IDENTIFIED IN THE QUALITY CONTROL PROGRAM, ie., [R2].

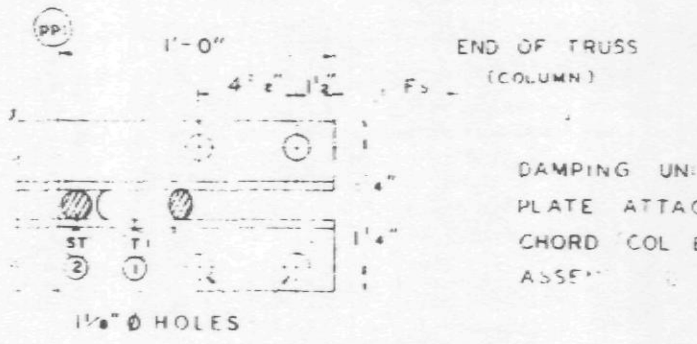
FABRICATION REQUIRMENTS		
	DESIGN	TOLERANCE
CAMBER AT MIDSPAN ⚠2	2"	± 3/8"
DESIGN DEPTH	29"	± 1 [illegible]"
PANEL "K"	3'-4"	± 1/4"
OVERALL LENGTH	59'-	± 3/8"
WEB DEPTH	31	± 1/4"



Es END (COLUMN)

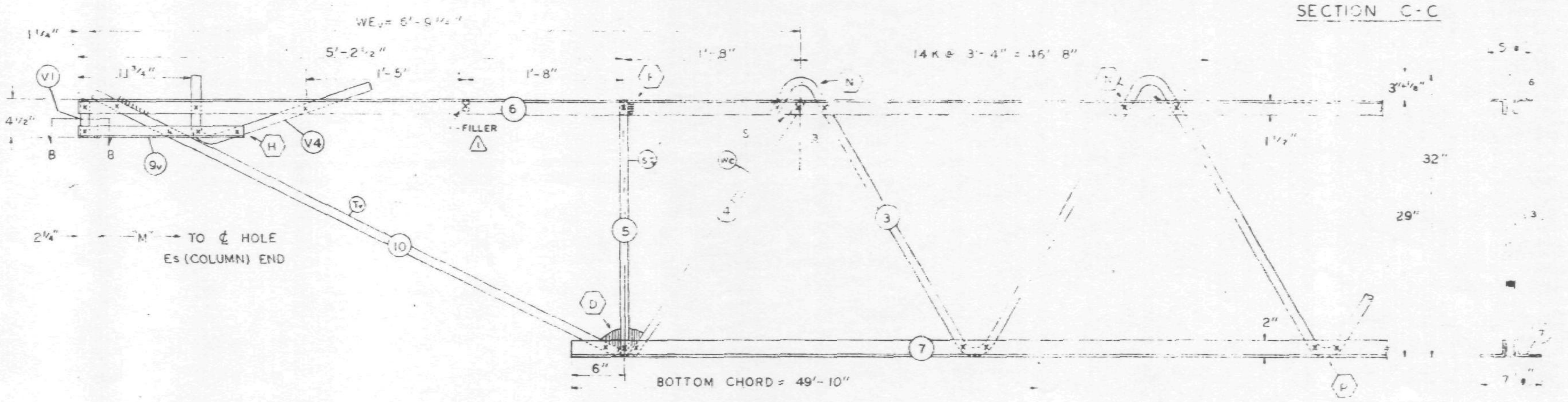


SECTION A-A

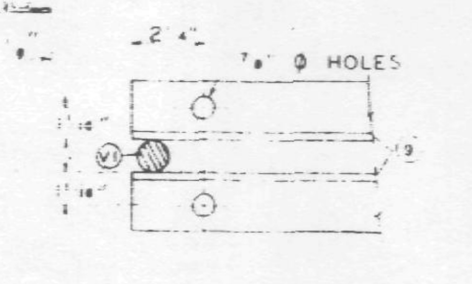


SECTION C-C

DAMPING UNIT CONNECTION PLATE ATTACHED TO BOTTOM CHORD (COL END) IN FIELD ASSEM[illegible] CONTRACT W[illegible]



EL END (CORE)



SECTION B-B

NO.	DATE	REVISION	BY
3	10-7-68	AS NOTED	G.D.C.
2	6-22-68	CAMBER, REF DRWG. DATE	T.M.C.
1	3-19-68	FILLER AND WELD DETAIL	J.R.P.

⚠3 REF. DRWGS.

7-AB1-2	7-22-69
7-AB1-52	2-15-68
7-AB4-50	8-1-68
7-AB3-2	1-3-68
7-AB4-50.5	10-20-67
7-AB1-53 ⚠2	7-22-68

PAINT
LACLEDE ELECTROCOAT
RED NO. 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES				BOTTOM CHORD TWO ANGLES				MAIN WEB "W"					FILLER		"M" ℄ ℄ HOLES	TRUSS DATA	
	MK	TYPE STEEL	CHORD SIZE	LENGTH	MK	TYPE STEEL	CHORD SIZE	LENGTH	MK	TYPE STEEL	DIA.	LENGTH	NO. OF K	NO.	DIA.			
C32T1A-599	6	A242	2"x1½"x.25"	59'-9"	7	A36	3"x2"x.37"	49'-10"	3	A36	1.09	88'-1¼"	14 @ 3'-4" = 46'-8"	11	1.09	59'-3¾"		
													⚠3					

COLUMN END

Es END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK. V1			END STIFFENER MK. V3		
		MK	TYPE STEEL	CHORD SIZE	LENGTH		MK	TYPE STEEL	DIA	LENGTH	MK	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH
	C32T1A-599	9	A242	2"x1½"x.25"	1'-10"	6'-1¼"	1	A242	1.14	6'-5"	2	A36	1.09	2'-4⅞"	A242	1.14	4⅜"	A242	1.14	2'-9½"
													⚠3							

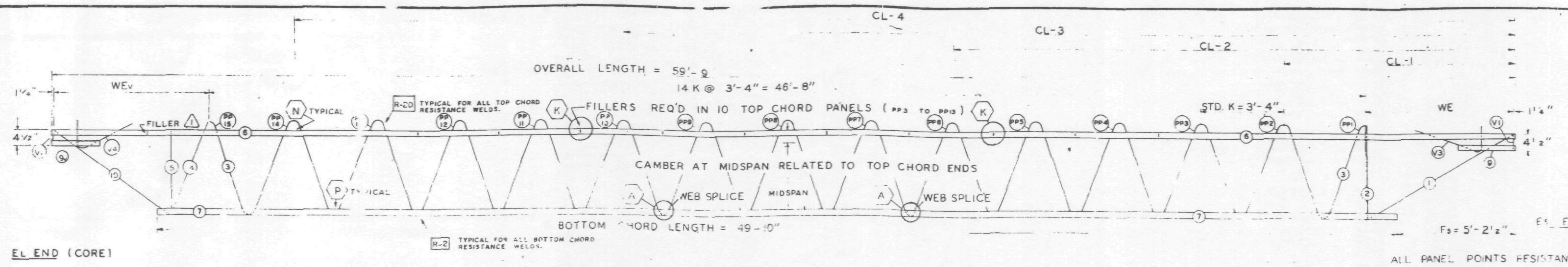
CORE END

EL END	TRUSS DESIGNATION	BEARING ANGLES				WEv	DIAGONAL "Tv" STRUT				VERTICAL "STv" STRUT				STIFFENER MK. V1			STIFFENER MK. V2			STIFFENER MK. V4			WEB "Wc"					WEB "WT"				
		MK	TYPE STEEL	CHORD SIZE	LENGTH		MK	TYPE STEEL	DIA	LENGTH	MK	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	[illegible]	LENGTH	TYPE STEEL	DIA.	LENGTH	MK	TYPE STEEL	PCS	DIA	LENGTH	MK	TYPE STEEL	PCS	DIA.	LENGTH
	C32T1A-599	9	A242	2"x1½"x.25"	1'-7"	6'-9¼"	10	A242	1.14	5'-6½"	5	A242	1.14	2'-4⅞"	A242	1.14	4⅜"	—	—	—	A242	1.14	2'-2½"	4	A242	1	1.14	2'-10"	—	—	—	—	—
																											⚠3						

CHECK DIMENSION FOR TRUSS FAB LOCATION OF TRANS. TRUSS				
CL-1	CL-2	CL-3	CL-4	Fs
9'-6½"	22'-10½"	36'-2½"	49'-6½"	5'-2½"

STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER · N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOOR TRUSS C32T1A 59'-9" OVERALL
WORLD TRADE CENTER TOWERS A-B

FABRICATION BY: LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB1-2 7-AB3-2	PLATE
APPROVED FOR FABRICATION BY James White FOR P.O.N.Y.A.	DATE 10/14/68	DRAWN BY: [illegible] DATE: FEB. 24, 1968	
APPROVED FOR FABRICATION BY A.C. WEBER FOR FABRICATOR	DATE.	CHECKED BY J.R. PAUL DATE: FEB. 24, 1968	IN CHARGE OF PROD. DEV.
DETAILED BY: A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. ST201A

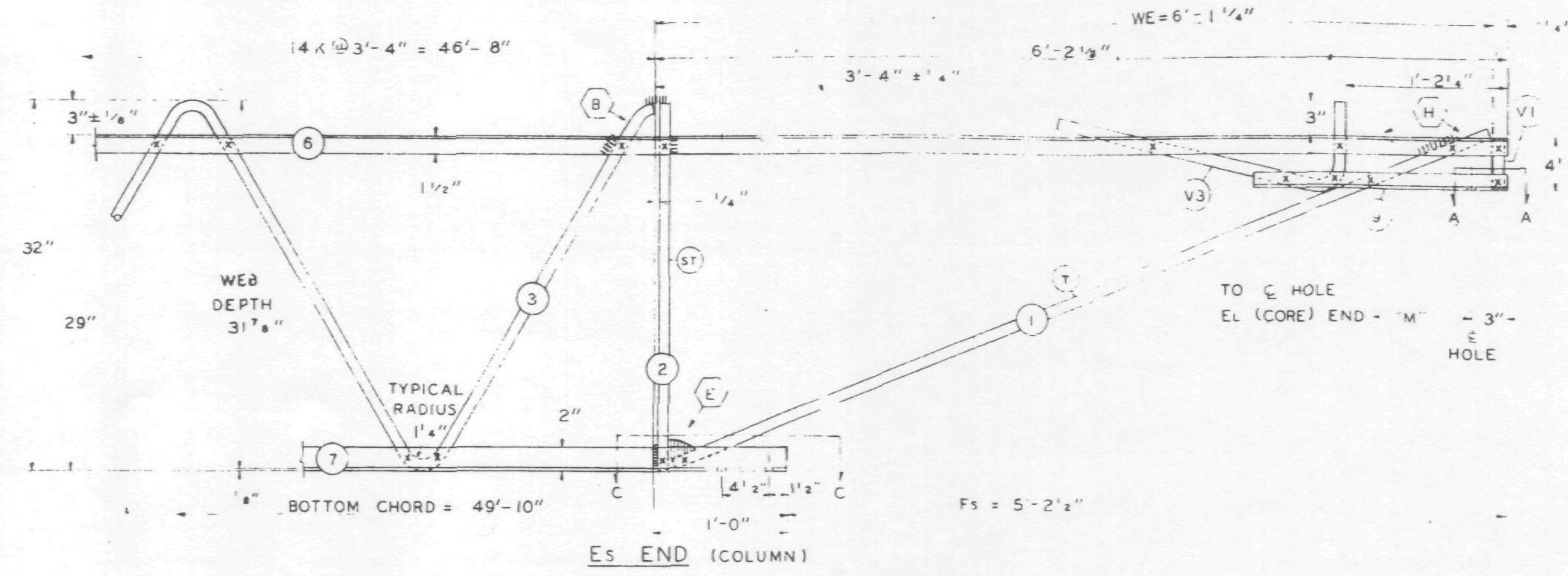


TRUSS ELEVATION

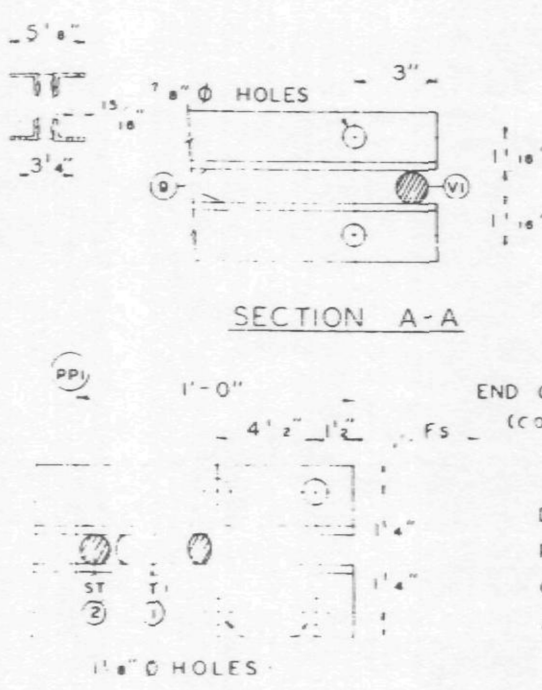
ALL PANEL POINTS RESISTANCE WELDED.
ARC WELDS INDICATED AT SHADED AREAS AND AT BOTTOM CHORD WEB SPLICES.
ALL WELD DETAILS SHOWN ON SHEETS ST290 AND ST291.

SEE SHEET ST295 FOR V1, V3, & 4 DETAILS.
LETTERS IN HEXAGON INDICATE WELD DETAIL, ie., (A).
⚠1 LETTERS AND NUMBERS IN SQUARES INDICATE RESISTANCE WELD STRENGTH IDENTIFIED IN THE QUALITY CONTROL PROGRAM, ie., [R-2].

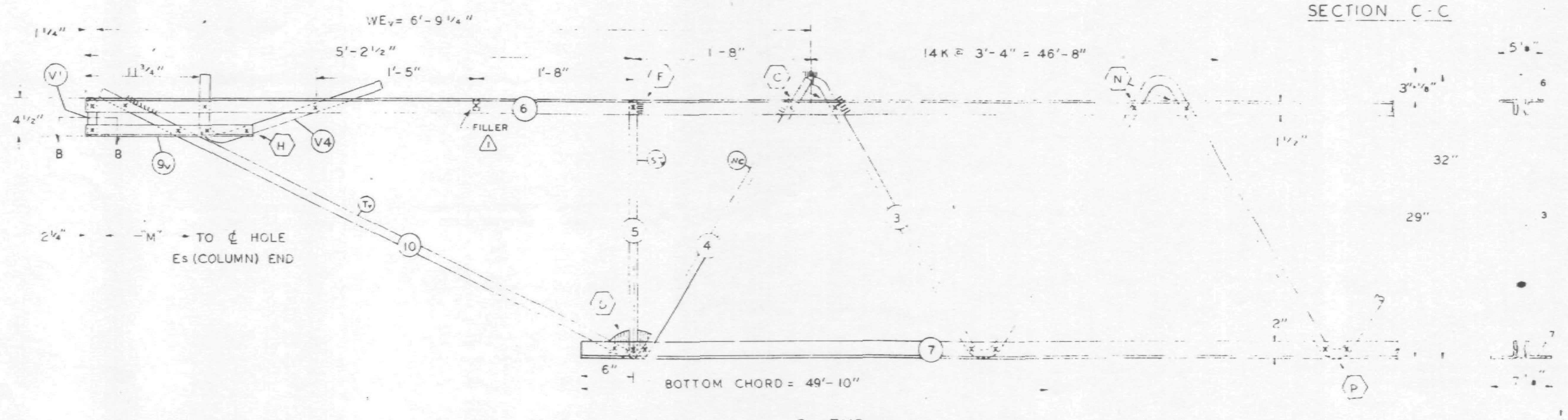
FABRICATION REQUIRMENTS	DESIGN	TOLERANCE
CAMBER AT MIDSPAN ⚠2	2"	± 3/8"
DESIGN DEPTH	- "	± 1/4"
PANEL "K"	3'-4"	± 1/4"
OVERALL LENGTH	59'-9"	± 3/8"
WEB DEPTH	31 7/8"	± 1/4"



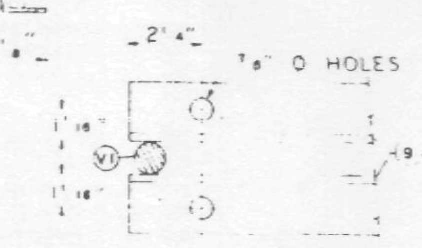
Es END (COLUMN)



DAMPING UNIT CONNECTION PLATE ATTACHED TO BOTTOM CHORD (COL END) IN FIELD ASSEMBLY BY CONTRACT WTC 223.00.



EL END (CORE)



SECTION B-B

NO.	DATE	REVISION	BY
2	6-22-68	CAMBER, REF DRWG DATE	T.M.C.
⚠1	3-19-68	FILLER AND WELD DETAIL	J.R.P.

REF. DRWGS.

7-AB1-2	2-15-68
7-AB1-52	2-.5-68
7-AB4-50 & 50.2	10-20-67
7-AB3-2	1-3-68
7-AB4-50.5	10-20-67
7-AB1-53 ⚠2	4-:-68

PAINT
LACLEDE ELECTROCOAT
RED NO. 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES MK	TYPE STEEL	CHORD SIZE	LENGTH	BOTTOM CHORD TWO ANGLES MK	TYPE STEEL	CHORD SIZE	LENGTH	MAIN WEB "W" MK	TYPE STEEL	DIA	LENGTH	NO OF K	FILLER NO	DIA	"M" ℄ HOLES	TRUSS DATA
C32T1A-599	6	A242	2"x1½"x.25"	59'-9"	7	A36	3"x2"x.37"	49'-10"	3	A36	1.09	87'-2½"	14 @ 3'-4" = 46'-8"	11	1.09	59'-3¾"	

COLUMN END

Es END TRUSS DESIGNATION	BEARING ANGLES MK	TYPE STEEL	CHORD SIZE	LENGTH	WE	DIAGONAL "T" STRUT MK	TYPE STEEL	DIA	LENGTH	VERTICAL "ST" STRUT MK	TYPE STEEL	DIA	LENGTH	END STIFFENER MK V1 TYPE STEEL	DIA	LENGTH	MK V3 TYPE STEEL	DIA	LENGTH
C32T1A-599	9	A242	2"x1½"x.25"	1'-10"	6'-1¼"	1	A242	.14	6'-5"	2	A36	1.09	2'-7⅞"	A242	1.14	4⅜"	A242	1.14	2'-9½"

CORE END

EL END TRUSS DESIGNATION	BEARING ANGLES MK	TYPE STEEL	CHORD SIZE	LENGTH	WEv	DIAGONAL "Tv" STRUT MK	TYPE STEEL	DIA	LENGTH	VERTICAL "STv" STRUT MK	TYPE STEEL	DIA	LENGTH	END STIFFENER MK V1 TYPE STEEL	DIA	LENGTH	MK 2 TYPE STEEL	DIA	LENGTH	MK V4 TYPE STEEL	DIA	LENGTH	WEB "Wc" MK	TYPE STEEL	PCS	DIA	LENGTH	WEB "WT" MK	TYPE STEEL	PCS	DIA	LENGTH
C32T1A-599	9v	A242	2"x1½"x.25"	1'-7"	6'-9¼"	10	A242	1.14	5'-6½"	5	A242	1.14	2'-4¾"	A242	1.14	4½"	—	—	-	A242	1.14	2'-2¼"	4	A242	1	1.14	3'-0½"	-	—	—	-	—

CHECK DIMENSION FOR TRUSS FAB
LOCATION OF TRANS TRUSS

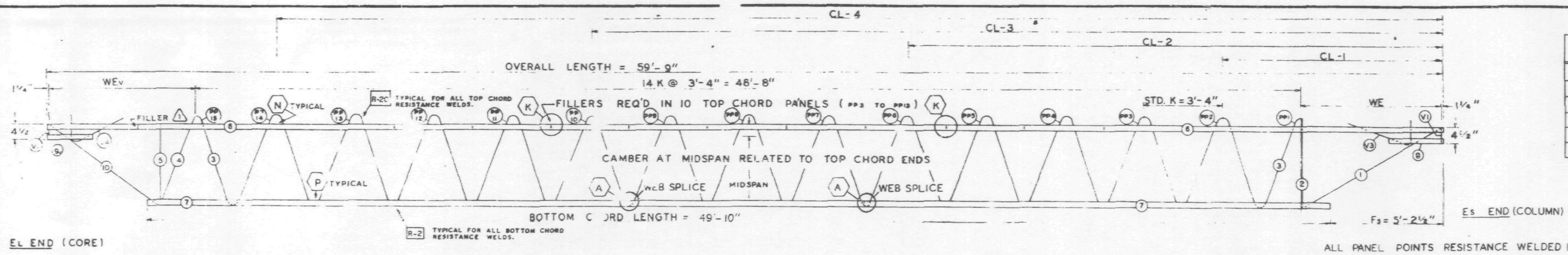
CL-1	CL-2	CL-3	CL-4	Fs
9'-6½"	22'-10½"	36'-2½"	49'-6½"	5'-2½"

STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY
FLOOR TRUSS C32T1A 59'-9" OVERALL
WORLD TRADE CENTER TOWERS A-B

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT: MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB1-2 7-AB3-2 PLATE	
APPROVED FOR FABRICATION BY JW FOR PONYA	DATE 6/25/68	DRAWN BY: [signature] DATE: FEB. 24, 1968	
APPROVED FOR FABRICATION BY A.C WEBER FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB. 24, 1968	IN CHARGE OF PROD DEV.
DETAILED BY A.C WEBER		FABRICATION CONT NO WTC 221	SHEET NO. ST201A

FABRICATION REQUIRMENTS		
	DESIGN	TOLERANCE
CAMBER AT MIDSPAN	1"	± 3/8"
DESIGN DEPTH	[illegible]	± 1/4"
PANEL "K"	3'-4"	± 1/4"
OVERALL LENGTH	59'-9"	± [illegible]
WEB DEPTH	31 7/8"	1/4"



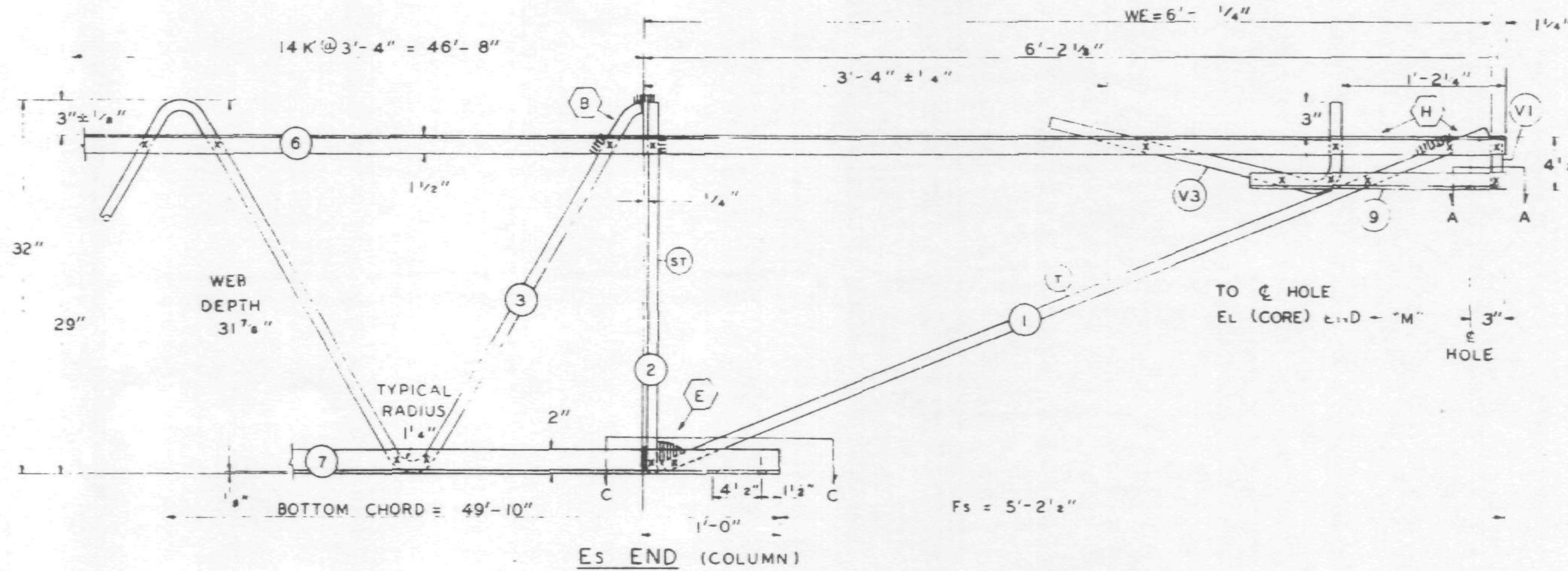
EL END (CORE)

Es END (COLUMN)

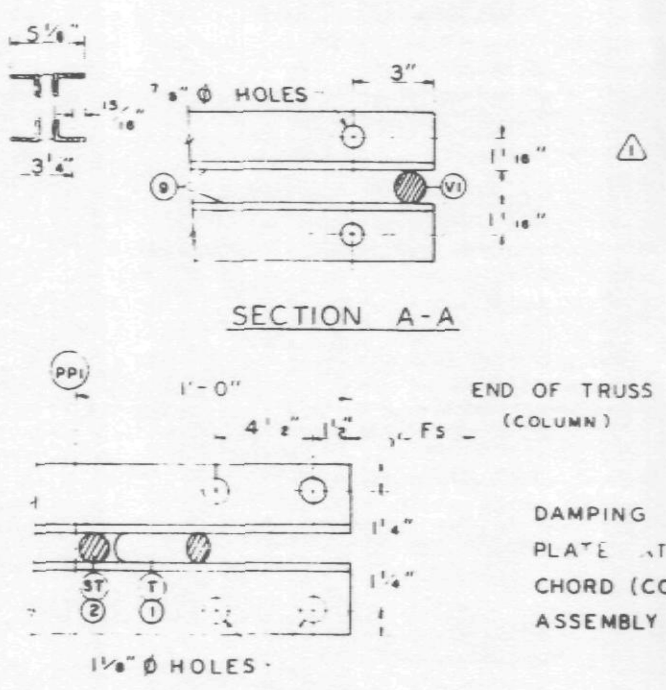
TRUSS ELEVATION

ALL PANEL POINTS RESISTANCE WELDED (x).
ARC WELDS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES.
ALL WELD DETAILS SHOWN ON SHEETS ST290
AND ST291.

SEE SHEET ST295 FOR V1, V3, & V4 DETAILS.
LETTERS IN HEXAGON INDICATE WELD DETAIL, ie., ⟨A⟩.
⚠1 LETTERS AND NUMBERS IN SQUARES INDICATE RESISTANCE WELD STRENGTH IDENTIFIED IN THE QUALITY CONTROL PROGRAM, ie., [R-2].



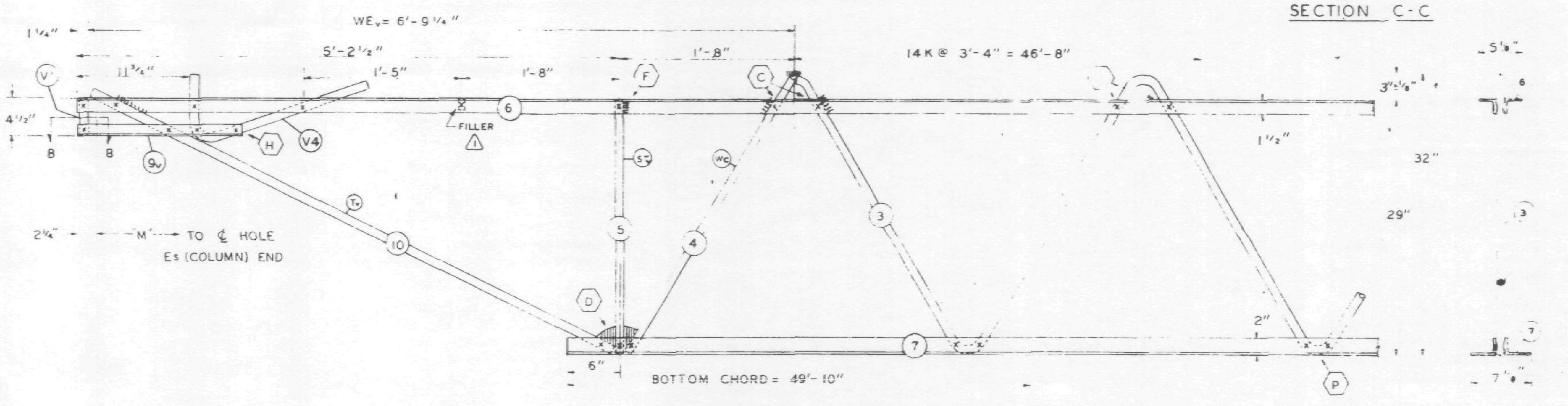
Es END (COLUMN)



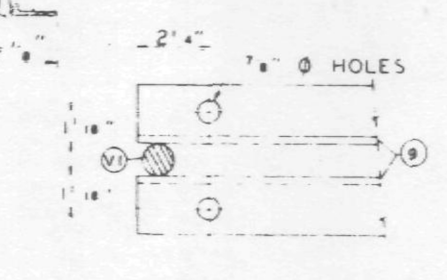
SECTION A-A

SECTION C-C

DAMPING UNIT CONNECTION PLATE ATTACHED TO BOTTOM CHORD (COL. END) IN FIELD. ASSEMBLY BY CONTRACT WTC 223.00.



EL END (CORE)



SECTION B-B

⚠1	3-19-68	FILLER AND WELD DETAIL	J.R.P.
NO.	DATE	REVISION	BY

REF. DRWGS.-

7-AB1-2	2-15-68
7-AB1-52	2-15-68
7-AB4-50 & 50.2	10-20-67
7-AB3-2	1-3-68
7-AB4-50.5	10-20-67
7-AB1-53	1-3-68

PAINT

LACLEDE ELECTROCOAT

RED NO. 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES				BOTTOM CHORD TWO ANGLES				MAIN WEB "W"					FILLER		"M" C-C HOLES	TRUSS DATA
	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	DIA	LENGTH	NO. OF K	NO	DIA.		
C32T1A-599	6	A242	2"x1½"x.25"	59'-9"	7	A36	3"x2"x.37"	49'-10"	3	A36	1.09	87'-2½"	14 @ 3'-4" = 46'-8"	11	1.09	59'-3¾"	

COLUMN END

Es END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK. V1			MK. V3		
		MK	TYPE STEEL	CHORD SIZE	LENGTH		MK	TYPE STEEL	DIA	LENGTH	MK.	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH	TYPE STEEL		LENGTH
	C32T1A-599	9	A242	2"x1½"x.25"	1'-10"	6'-1¼"	1	A242	1.14	6'-5"	2	A36	1.09	2'-7⅞"	A242	1.14	4⅜"	A242	[illegible]	[illegible]

CORE END

EL END	TRUSS DESIGNATION	BEARING ANGLES				WEv	DIAGONAL "Tv" STRUT				VERTICAL "STv" STRUT				END STIFFENER MK. V1			MK. V2			MK. V4			WEB "Wc"					WEB "WT"				
		MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	MK.	TYPE STEEL	PCS	DIA	LENGTH	MK.	TYPE STEEL	PCS	DIA.	LENGTH
	C32T1A-599	9v	A242	2"x1½"x.25"	1'-7"	6'-9¼"	10	A242	1.14	5'-6½"	5	A242	1.14	2'-4¾"	A242	1.14	4⅜"	—	—	—	A242	1.14	2'-2½"	4	A242	1	1.14	3'-0½"	—	—	—	—	—

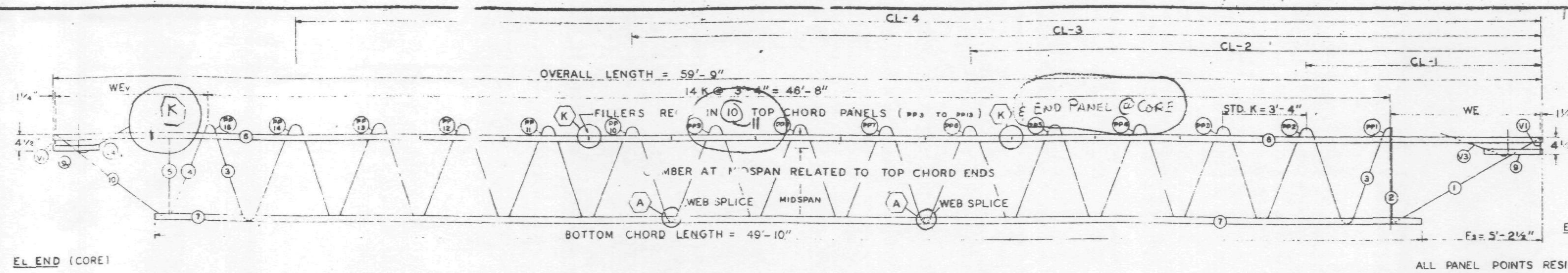
CHECK DIMENSION FOR TRUSS FAB

LOCATION OF TRANS. TRUSS				
CL-1	CL-2	CL-3	CL-4	Fs
9'-6½"	22'-10½"	36'-2½"	49'-6½"	5'-2½"

STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOOR TRUSS C32T1A 59'-9" OVERALL
WORLD TRADE CENTER TOWERS A-B

FABRICATION BY: LACLEDE STEEL COMPANY

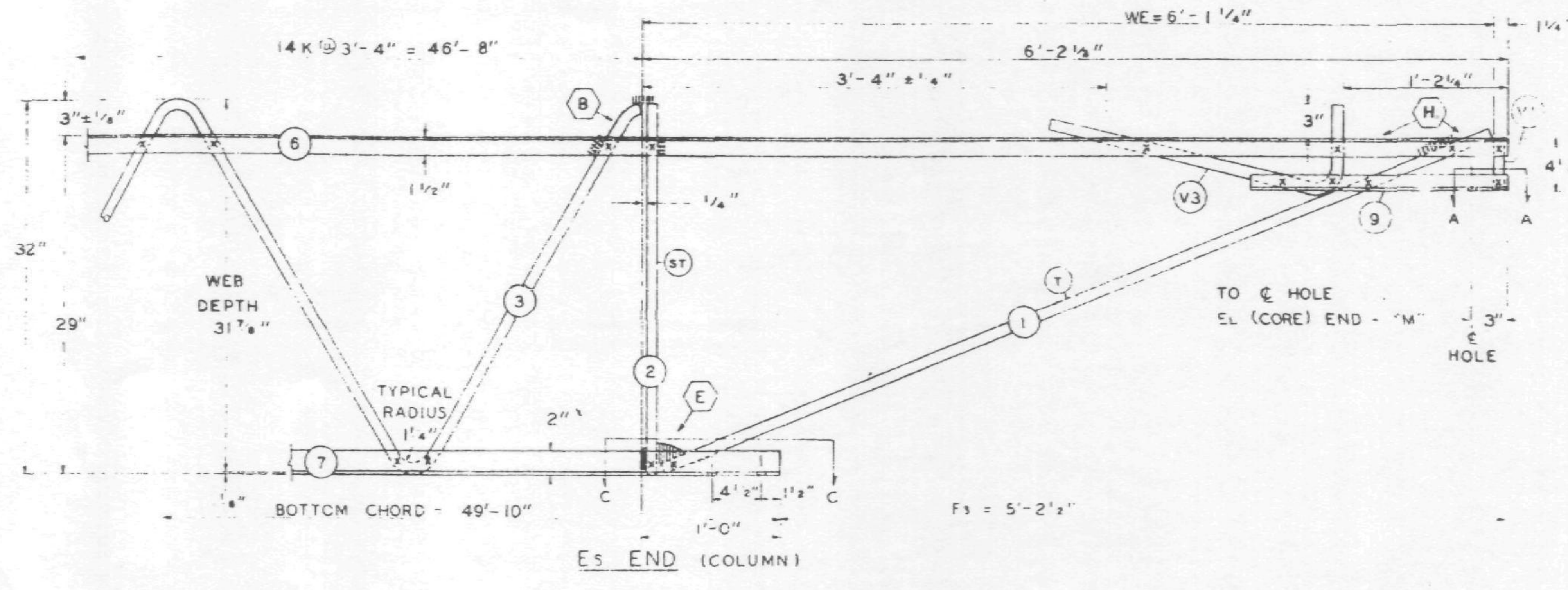
FABRICATED AT: MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB1-2 7-AB3-2 PLATE	
APPROVED FOR FABRICATION BY [illegible] FOR P.O.N.Y.A.	DATE 3/26/68	DRAWN BY: L.R. DATE: FEB. 24, 1968	
APPROVED FOR FABRICATION BY A.C. WEBER FOR FABRICATOR	DATE.	CHECKED BY: J.R. PAUL DATE: FEB. 24, 1968	IN CHARGE OF PROD. E.E.V.
DETAILED BY: A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. ST201A



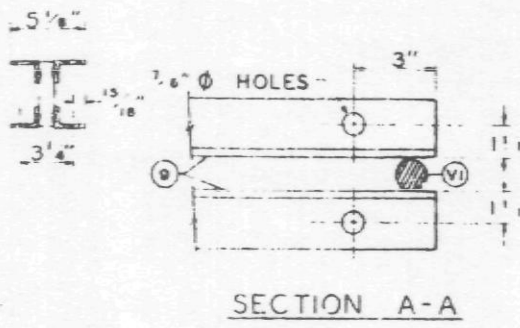
TRUSS ELEVATION

ALL PANEL POINTS RESISTANCE WELDED (x).
ARC WELDS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES (mm).
ALL WELD DETAILS SHOWN ON SHEETS ST290
AND ST291.
BOXED IN LETTERS INDICATE WELD DETAIL, ie. (A)

FABRICATION REQUIRMENTS	DESIGN	TOLERANCE
CAMBER AT MIDSPAN	1"	± 4"
DESIGN DEPTH	29"	± 1/4"
PANEL "K"	"	± 1/4"
OVERALL LENGTH	59'-9"	± 3/8"
WEB DEPTH	31 7/8"	± 1/4



Es END (COLUMN)



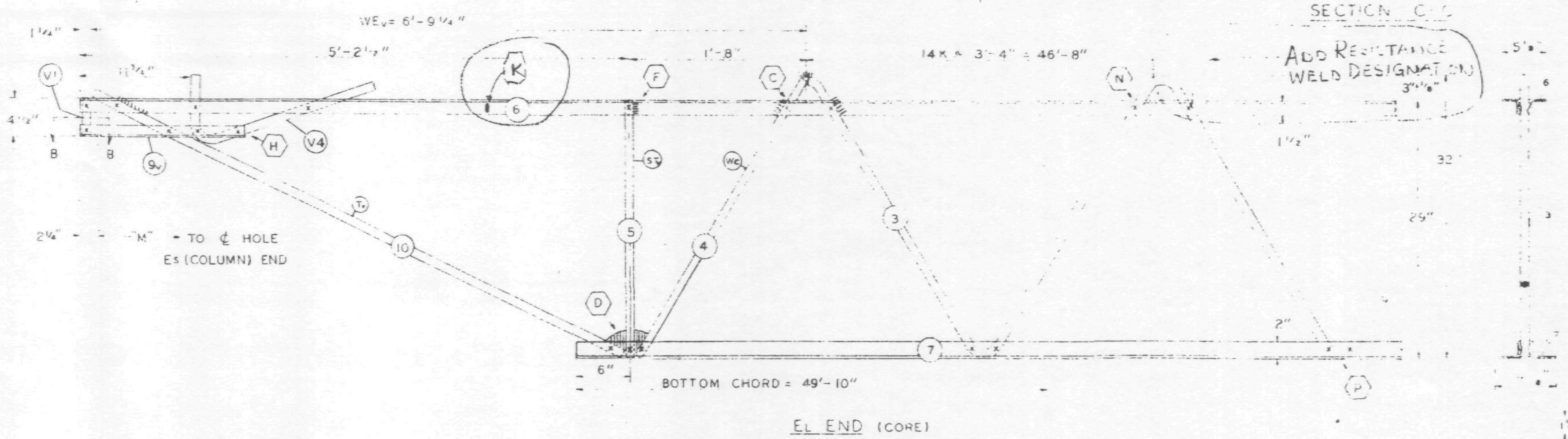
SECTION A-A

END OF TRUSS (COLUMN)

1⅛" Ø HOLES

SECTION C-C

DAMPING UNIT CONNECTION
PLATE ATTACHED TO BOTTOM
CHORD (COL END) IN FIELD.
ASSEMBLY BY CONTRACT WTC 223.00.



EL END (CORE)

SECTION B-B

REF. DRWGS.

7-AB1-2	2-15-68
7-AB1-52 & 53	1-3-68
7-AB4-50 & 50.2	10-20-67
7-AB3-2	1-3-68
7-AB4-50.5	10-20-67

PAINT
LACLEDE ELECTROCOAT
RED NO. 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES				BOTTOM CHORD TWO ANGLES				MAIN WEB "W"					FILLER		"M" ℄ HOLES	TRUSS DATA	
	MK	TYPE STEEL	CHORD SIZE	LENGTH	MK	TYPE STEEL	CHORD SIZE	LENGTH	MK	TYPE STEEL	DIA.	LENGTH	NO. OF K	NO.	DIA.			
C32T1A-599	6	A242	2"x1½"x.25"	59'-9"	7	A36	3"x2"x.37"	49'-10"	3	A36	1.09	87'-2½"	14 @ 3'-4"= 46'-8"	(10) 11	1.09	59'-3¾"		

COLUMN END

Es END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK V1			END STIFFENER MK V		
		MK	TYPE STEEL	CHORD SIZE	LENGTH		MK	TYPE STEEL	DIA	LENGTH	MK	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENG.
	C32T1A-599	9	A242	2"x1½"x.25"	1'-10"	6'-1¼"	1	A242	1.14	6'-5"	2	A36	1.09	2'-7⅞"	A242	1.14	4⅜"	A242	1.14	2'-9½"

CORE END

EL END	TRUSS DESIGNATION	BEARING ANGLES				WEv	DIAGONAL "T1" STRUT				VERTICAL "ST1" STRUT				END STIFFENER MK V1			END STIFFENER MK V2			END STIFFENER MK V4			WEB "Wc"					WEB "WT"				
		MK	TYPE STEEL	CHORD SIZE	LENGTH		MK	TYPE STEEL	DIA	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA	LENGTH	MK	TYPE STEEL	PCS	DIA	LENGTH	MK	TYPE STEEL	PCS	DIA.	LENGTH
	C32T1A-599	9v	A242	2"x1½"x.25"	1'-7"	6'-9¾"	10	A242	1.14	5'-6½"	5	A242	1.14	2'-4¾"	A242	1.14	4⅜"	—	—	—	A242	1.14	2'-2½"	4	A242	1	1.14	3'-0½"	—	—	—	—	—

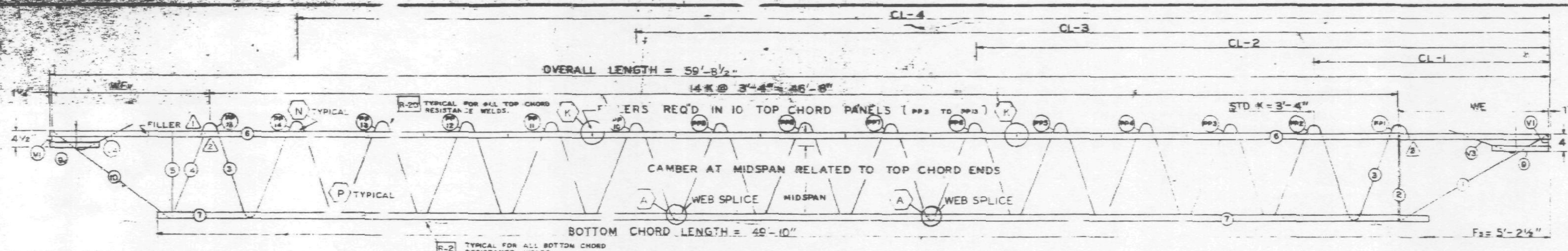
CHECK DIMENSION FOR TRUSS FAB.
LOCATION OF TRANS. TRUSS

CL-1	CL-2	CL-3	CL-4	Fs
9'-6½"	22'-10½"	36'-2½"	49'-8½"	5'-2½"

SKILLING - HELLE
CHRISTIANSEN - ROBERTSON
Structural & Civil Engineers
3/20/68 SK

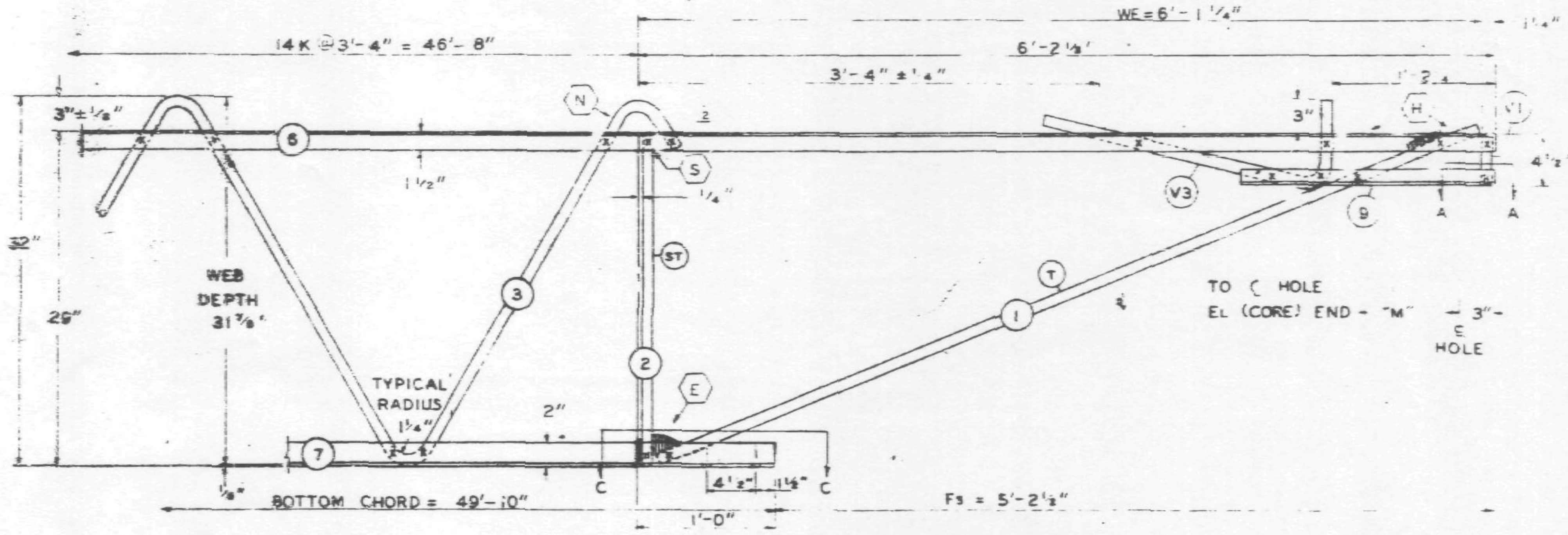
STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOOR TRUSS C32T1A 59'-9" OVERALL
WORLD TRADE CENTER TOWERS A-B

FABRICATION BY: LACLEDE STEEL COMPANY			
FABRICATED AT: MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB1-2 7-AB3-2	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE	DRAWN BY: L.B. DATE: FEB. 24, 1968	
APPROVED FOR FABRICATION BY A.C. WEBER FOR FABRICATOR	DATE	CHECKED BY: J.R. PAUL DATE FEB. 24, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. ST201A

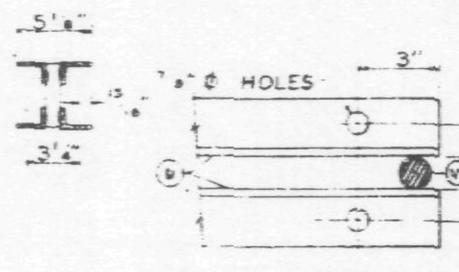


El END (CORE)

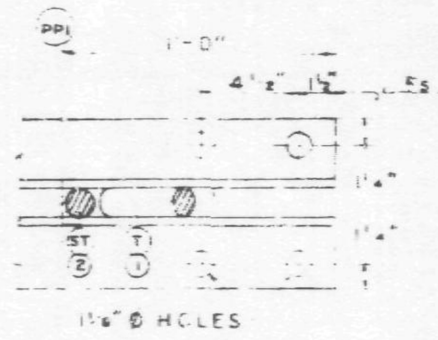
TRUSS ELEVATION



Es END (COLUMN)



SECTION A-A

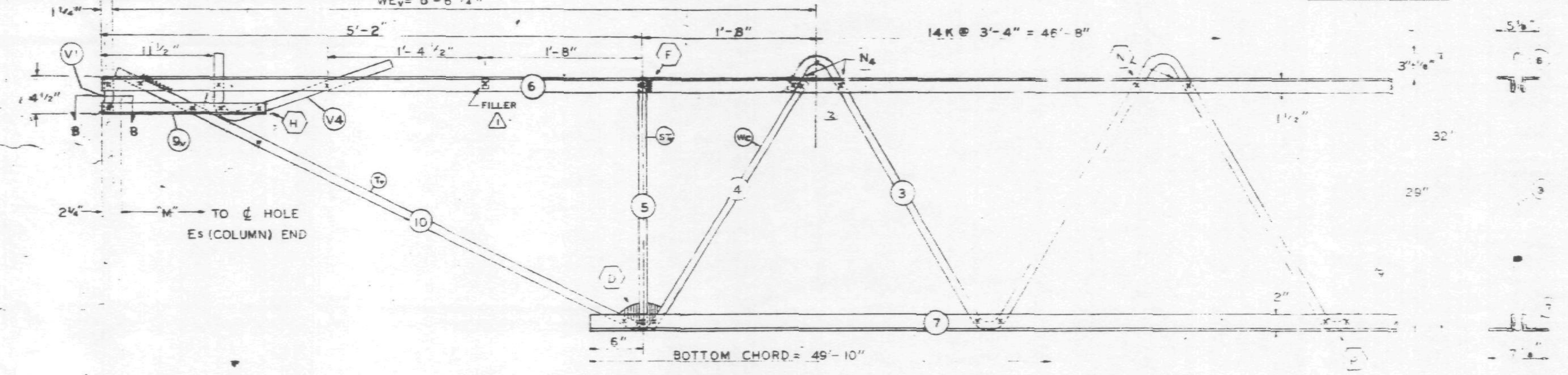


SECTION C-C

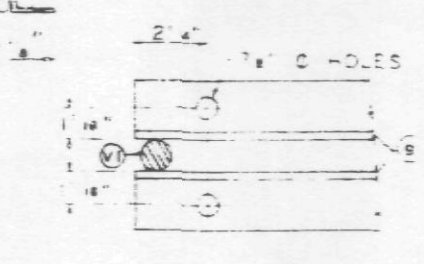
ALL PANEL POINTS RESISTANCE WELDED (x).
ARC WELDS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES
ALL WELD DETAILS SHOWN ON SHEETS ST290
AND ST291.

SEE SHEET ST295 FOR V1, V3, & V4 DETAILS.
LETTERS IN HEXAGON INDICATE WELD DETAIL, i.e., (A).
LETTERS AND NUMBERS IN SQUARES INDICATE RESISTANCE WELD STRENGTH IDENTIFIED IN THE QUALITY CONTROL PROGRAM, i.e., [R-2].

DAMPING UNIT CONNECTION
PLATE ATTACHED TO BOTTOM
CHORD (COL END) IN FIELD
ASSEMBLY BY CONTRACT WTC 223.00.



El END (CORE)



SECTION B-B

NO.	DATE	REVISION
2	2-11-69	AS NOTED
1	3-19-68	FILLER AND WELD DETAIL

REF. DRWGS.

7-AB1-2	7-22-68
7-AB1-52	2-1-68
7-AB4-50	8-1-68
7-AB3-2	3-3-68
7-AB4-50.5	10-20-67
7-AB1-53	7-22-68

PAINT
LACLEDE ELECTROCOAT
RED NO. 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES				BOTTOM CHORD TWO ANGLES				MAIN WEB "W"					FILLER		"M" ℄ HOLES	TRUSS DATA
	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	NO. OF K	NO.	DIA.		
C32T1B-598.5	6	A242	2"x1 1/2"x.25"	59'-8 1/2"	7	A36	3"x2"x.37"	49'-10"	3	A36	1.09	88'-1 1/4"	14 @ 3'-4" = 46'-8"	11	1.09	59'-3 1/4"	

COLUMN END

Es END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK. V1			END STIFFENER MK. V3		
		MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA.	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH
	C32T1B-598.5	9	A242	2"x1 1/2"x.25"	1'-10"	6'-1 1/4"	1	A242	1.14	6'-5"	2	A36	1.09	2'-4 7/8"	A242	1.14	4 3/8"	A2[illegible]	[illegible]	2'-9 1/2"

CORE END

El END	TRUSS DESIGNATION	BEARING ANGLES				WEv	DIAGONAL "Tv" STRUT				VERTICAL "STv" STRUT				END STIFFENER MK. V1			END STIFFENER MK. V2			END STIFFENER MK. V4			WEB "Wc"					WEB "WT"				
		MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA.	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	MK.	TYPE STEEL	PCS	DIA.	LENGTH	MK.	TYPE STEEL	PCS	DIA.	LENGTH
	C32T1B-598.5	9	A242	2"x1 1/2"x.25"	1'-6"	6'-8 3/4"	10	A242	1.14	5'-6 1/8"	5	A242	1.14	2'-4 7/8"	A242	1.14	4 3/8"	—	—	—	A242	1.14	2'-2 1/2"	4	A242	1	1.14	2'-10"	—	—	—	—	—

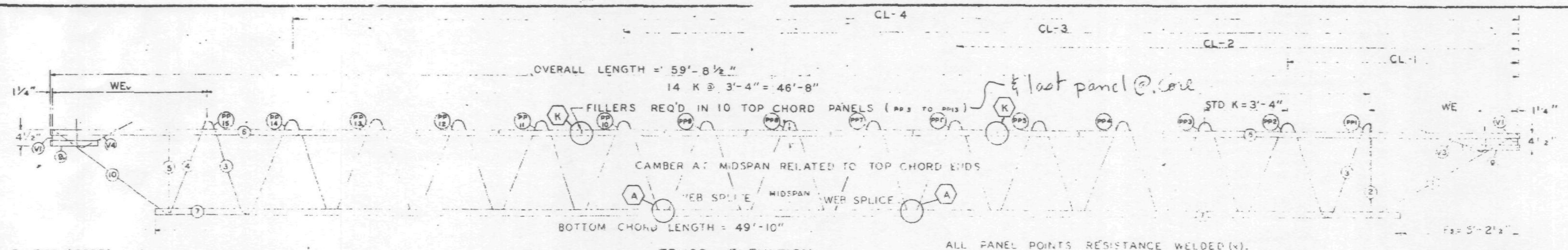
CHECK DIMENSION FOR TRUSS FAB

LOCATION OF TRANS. TRUSS				
CL-1	CL-2	CL-3	CL-4	Fs
9'-6 1/2"	22'-10 1/2"	36'-2 1/2"	49'-6 1/2"	5'-2 1/2"

FABRICATION		
DESIGN DEPTH		
PANEL "K"	3'-4"	± 1/4"
OVERALL LENGTH	59'-8 1/2"	3/8"
WEB DEPTH	31 7/8	± 1/8"

STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - N.Y.C
FOR
THE PORT OF NEW YORK AUTHORITY
FLOOR TRUSS C32T15 59'-8 1/2" OVERALL
WORLD TRADE CENTER TOWERS A-B

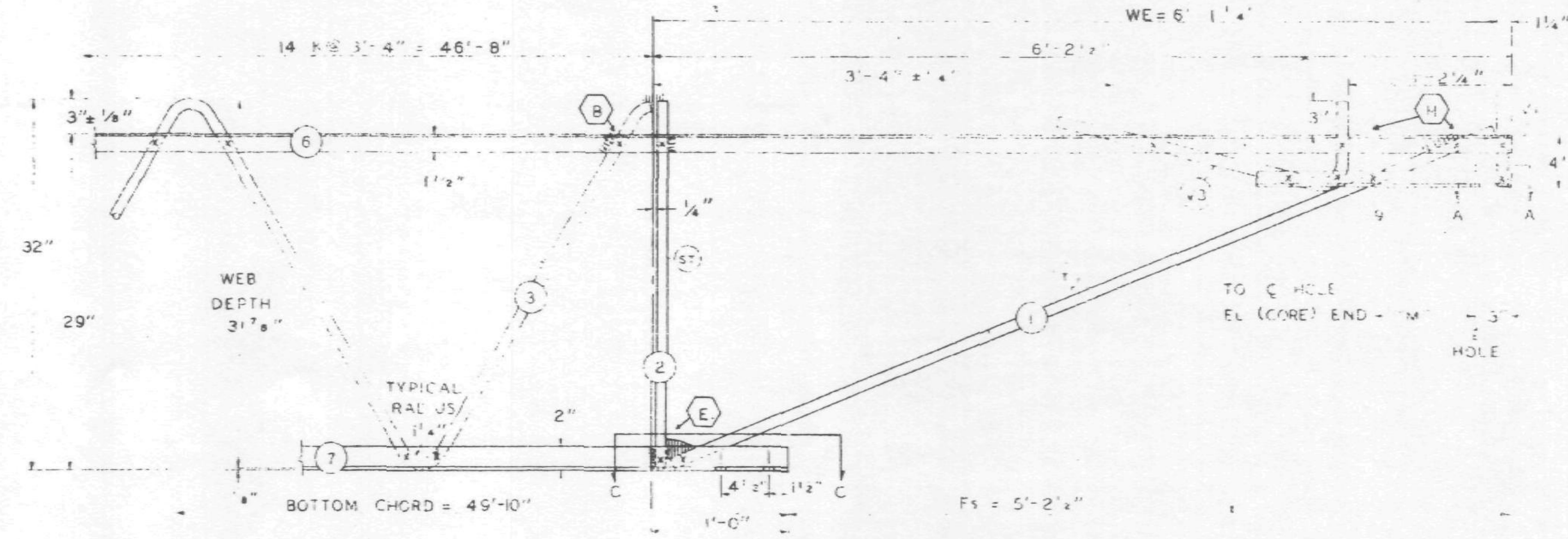
FABRICATION BY LACLEDE STEEL COMPANY
FABRICATED AT: MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB1-2 7-AB3-2 — PLATE
APPROVED FOR FABRICATION BY: FOR P.O.N.Y.A. DATE
DRAWN BY: DATE: FEB. 1968
APPROVED FOR FABRICATION BY: FOR FABRICATOR DATE.
CHECKED BY: DATE: FEB. 24, 1968
DETAILED BY LACLEDE STEEL CO.
FABRICATION CONT. NO. W.T.C. 221



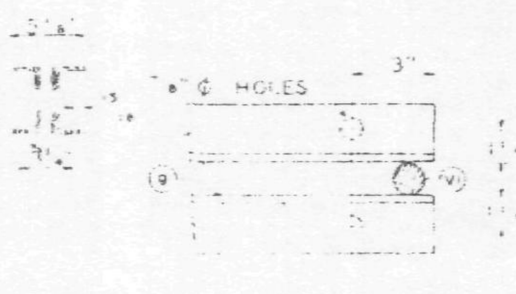
TRUSS ELEVATION

ALL PANEL POINTS RESISTANCE WELDED (V).
ARC WELDS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES (mid).

ALL WELD DETAILS SHOWN ON SHEETS ST290
AND ST291.
BOXED IN LETTERS INDICATE WELD DETAIL, i.e. (A)

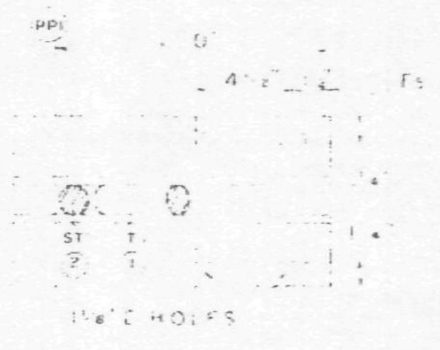


Es END (COLUMN)



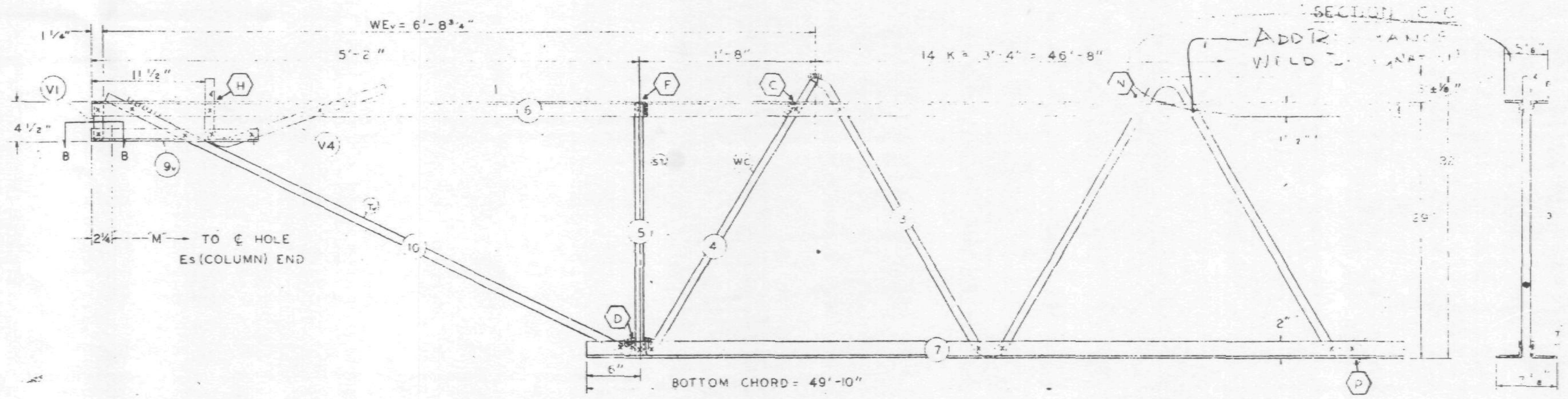
SECTION A-A

END OF TRUSS (COLUMN)

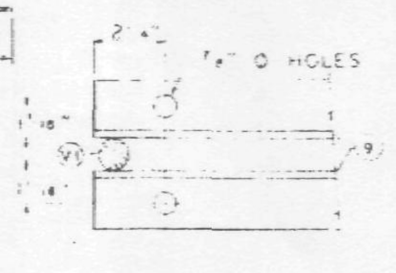


SECTION C-C

DAMPING UNIT CONNECTION
PLATE ATTACHED TO BOTTOM
CHORD ... END IN FIELD
ASSEMBLY BY CONTRACT WTC 223.00



EL END (CORE)



SECTION B-B

FABRICATION REQUIRMENTS	DESIGN	TOLERANCE
CAMBER AT MIDSPAN	1"	± [illegible]8"
DESIGN DEPTH	29"	± 1/4"
PANEL "K"	3'-	± 1/4"
OVERALL LENGTH	59'-[illegible]½"	± 3/8
WEB DEPTH	31 7/8"	± 1/4

REF DRWGS.

7-AB1-2	2-15-68
7-AB1-52	2-15-68
7-AB1-53	1-3-68
7-AB4-50 & 50.2	10-20-67
7-AB3-2	1-3-68
7-AB4-50.5	10-20-67

PAINT

LACLEDE ELECTROCOAT
RED NO 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES				BOTTOM CHORD TWO ANGLES				MAIN WEB "W"					FILLER		"M" C/C HOLES	TRUSS DATA	
	MK	TYPE STEEL	CHORD SIZE	LENGTH	MK	TYPE STEEL	CHORD SIZE	LENGTH	MK	TYPE STEEL	DIA	LENGTH	NO OF K	NO	DIA			
C32T1B-598.5	6	A242	2"x1½"x.25	59'-8½"	7	A36	3"x2"x.37	49'-10"	3	A36	1.09	87'-2½"	14 @ 3'-4" = 46'-8"	10	1.09	59'-3¼"		

COLUMN END

Es END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK V1			END STIFFENER MK V3		
		MK	TYPE STEEL	CHORD SIZE	LENGTH		MK	TYPE STEEL	DIA	LENGTH	MK	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH
	C32T1B-598.5	9	A242	2"x1½"x.25	1'-10"	6'-1¼"	1	A242	1.14	6'-5"	2	A36	1.09	2'-7⅝"	A242	1.14	4⅜"	A[illegible]	[illegible]14	2'-9½"

CORE END

EL END	TRUSS DESIGNATION	BEARING ANGLES				WEv	DIAGONAL "Tv" STRUT				VERTICAL "STv" STRUT				END STIFFENER MK V1			END STIFFENER MK V2			END STIFFENER MK V4			WEB "Wc"					WEB "WT"				
		MK	TYPE STEEL	CHORD SIZE	LENGTH		MK	TYPE STEEL	DIA	LENGTH	MK	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH	MK	TYPE STEEL	PCS	DIA	LENGTH	MK	TYPE STEEL	PCS	DIA	LENGTH
	C32T1B-598.5	9	A242	2"x1½"x.25	1'-6"	6'-8¾"	10	A242	1.14	5'-6⅛"	5	A242	1.14	2'-4¾"	A242	1.14	4⅜"	—	—	—	A242	1.14	2'-2½"	4	A242	1	1.14	3'-0½"	-	—	—	-	—

CHECK DIMENSION FOR TRUSS FAB
LOCATION OF TRANS TRUSS

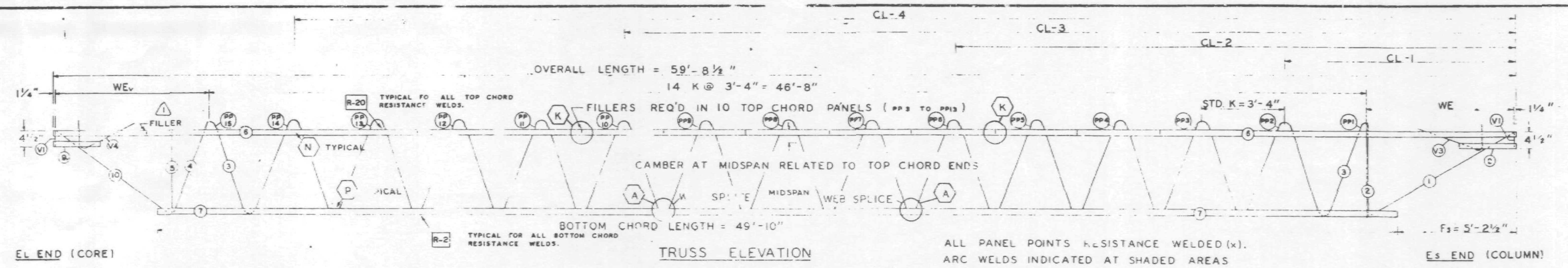
CL-1	CL-2	CL-3	CL-4	Fs
9'-6½"	22'-10½"	36'-2½"	49'-6½"	5'-2½"

3/22/68 SK

STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

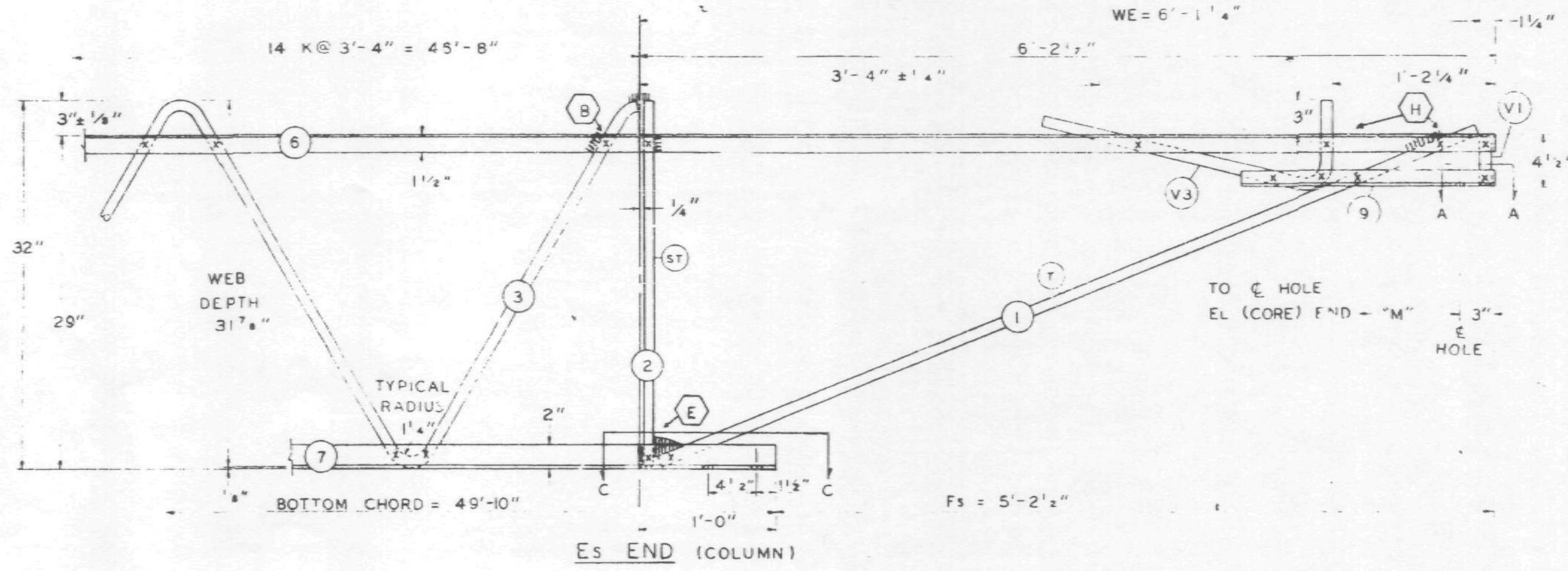
FLOOR TRUSS C32T1B 59'-8½" OVERALL
WORLD TRADE CENTER TOWERS A - B

FABRICATION BY LACLEDE STEEL COMPANY			
FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO 7-AB1-2 7-AB3-2 PLATE	
APPROVED FOR FABRICATION BY ___ FOR P.O.N.Y.A.	DATE	DRAWN BY: [signature] DATE: FEB. 24, 1968	
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR	DATE	CHECKED BY J.R. PAUL DATE FEB. 24, 1968	IN CHARGE OF PROD. DEV.
LACLEDE STEEL CO. DETAILED BY. A.C. WEBER		FABRICATION CONT. NO W.T.C. 221	SHEET NO ST201B

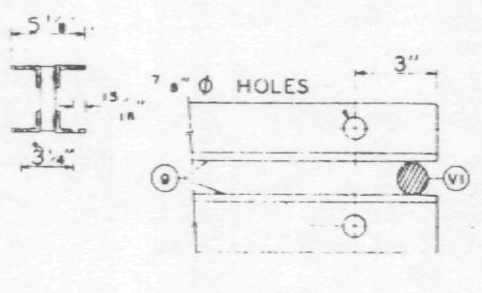


TRUSS ELEVATION

ALL PANEL POINTS RESISTANCE WELDED (x).
ARC WELDS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES.



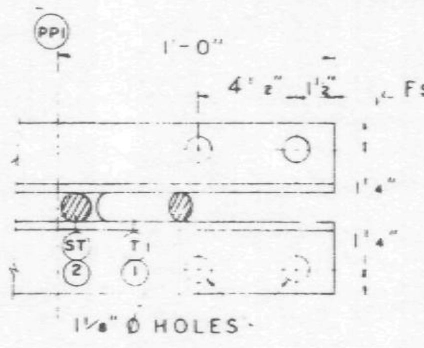
ES END (COLUMN)



SECTION A-A

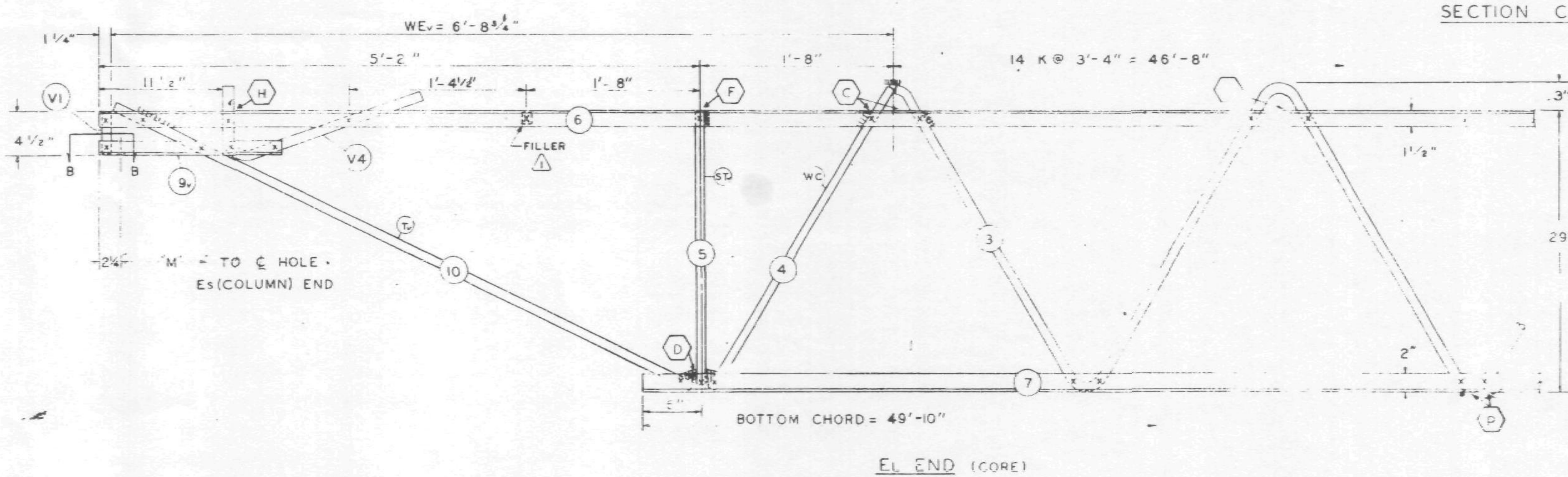
ALL WELD DETAILS SHOWN ON SHEETS ST290 AND ST291.

SEE SHEET ST295 FOR V1, V3, & V4 DETAILS.
LETTERS IN HEXAGON INDICATE WELD DETAIL, ie., (A).
LETTERS AND NUMBERS IN SQUARES INDICATE RESISTANCE WELD STRENGTH IDENTIFIED IN THE QUALITY CONTROL PROGRAM, R-2.

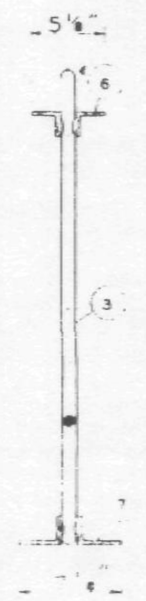


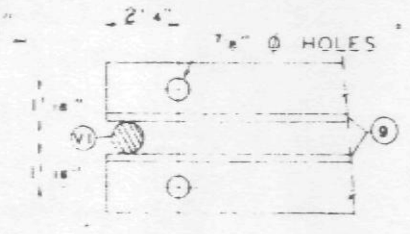
SECTION C-C

DAMPING UNIT CONNECTION PLATE ATTACHED TO BOTTOM CHORD (COL END) IN FIELD. ASSEMBLY BY CONTRACT WTC 223.00



EL END (CORE)





SECTION B-B

FABRICATION REQUIRMENTS

	DESIGN	TOLERANCE
CAMBER AT MIDSPAN	1"	± 3/8"
DESIGN DEPTH	29"	1/4"
PANEL "K"	3'	± 1/4"
OVERALL LENGTH	59'-8½"	± 3/8"
WEB DEPTH	31 7/8"	± [illegible]

NO.	DATE	REVISION	BY
1	3-19-68	FILLER AND WELD DETAIL	J.R.R.

REF DRWGS.

7-AB1-2	2-15-68
7-AB1-52	2-15-68
7-AB1-53	1-3-68
7-AB4-50 & 50.2	10-20-67
7-AB3-2	1-3-68
7-AB4-50.5	10-20-67

PAINT

LACLEDE ELECTROCOAT
RED NO 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES				BOTTOM CHORD TWO ANGLES				MAIN WEB "W"					FILLER		"M" C/C HOLES	TRUSS DATA
	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	DIA	LENGTH	NO. OF K	NO	DIA		
C32T1B-5985	6	A242	2"x1½"x .25	59'-8½"	7	A36	3"x 2" x .37	49'-10"	3	A36	1.09	87'-2½"	14 @ 3'-4" = 46'-8"	1	1.09	59'-3¼"	

COLUMN END

Es END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK. V1			END STIFFENER MK. V3		
		MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA	LENGTH	MK.	TYPE STEEL	DIA	LENGTH	TYPE STEEL	DIA	LENGTH	[illegible]	[illegible]	LENGTH
	C32T1B-5985	9	A242	2"x1½"x .25	1'-10"	6'-1¼"	1	A242	1.14	5'-5"	2	A36	–	2'-7⅜"	A242	1.14	[illegible]	A24[illegible]	[illegible]	[illegible]½"

CORE END

EL END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK. V1 / V4			WEB "Wc"					WEB "WT"				
		MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA	LENGTH	MK.	TYPE STEEL	DIA	LENGTH	[illegible]	DIA	LENGTH	MK.	TYPE STEEL	PCS	DIA	LENGTH	MK.	TYPE STEEL	PCS	DIA	LENGTH
	C32T1B-5985	9	A242	[illegible]	1'-8"	[illegible]	10	A242	1.14	5'-6"	5	[illegible]	[illegible]	2'-4[illegible]	[illegible]	1.14	2'-2"	4	A242		1.14	3'-0½"	–	–		–	—

CHECK DIMENSION FOR TRUSS FAB

LOCATION OF TRANS TRUSS				
CL-1	CL-2	CL-3	CL-4	Fs
9'-6½"	22'-10½"	36'-2½"	49'-6½"	5'-2½"

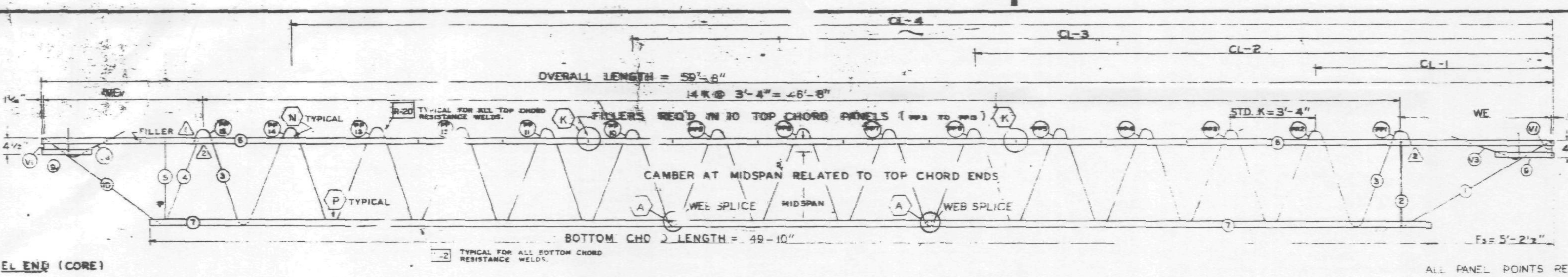
STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

FLOOR TRUSS C32T1B 59'-8½" OVERALL
WORLD TRADE CENTER TOWERS A-B

FABRICATION BY: LACLEDE STEEL COMPANY

FABRICATED AT: MADISON, ILLINOIS		DESIGN DRAWING NO. 7-AB1-2 7-AB3-2	PLATE
APPROVED FOR FABRICATION BY: ______ FOR P.O.N.Y.A.	DATE 4/11/68	DRAWN BY: [illegible] DATE: FEB. 24, 1968	
APPROVED FOR FABRICATION BY ______ FOR FABRICATOR	DATE.	CHECKED BY J.R. [illegible] DATE: FEB. 24, 1968	IN CHARGE OF [illegible]
DETAILED BY: A.C. WEBER		FABRICATION CONT. NO. W.T.C. 221	[illegible]

I



EL END (CORE)

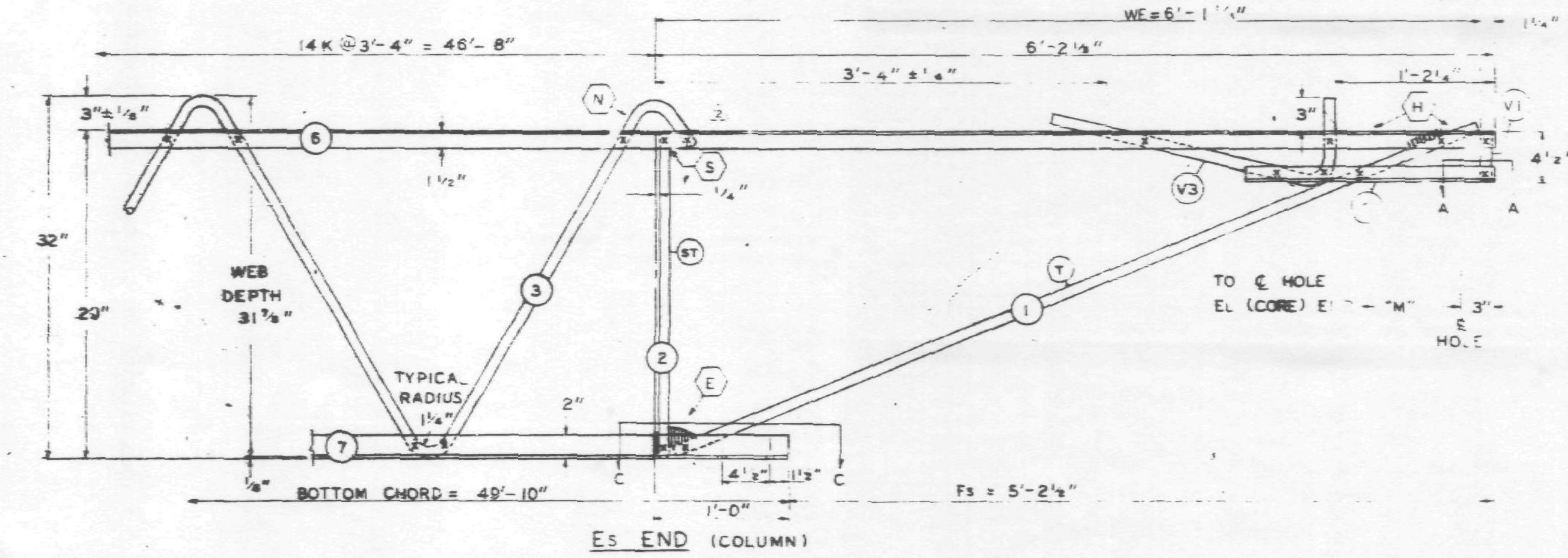
Es END (COLUMN)

TRUSS ELEVATION

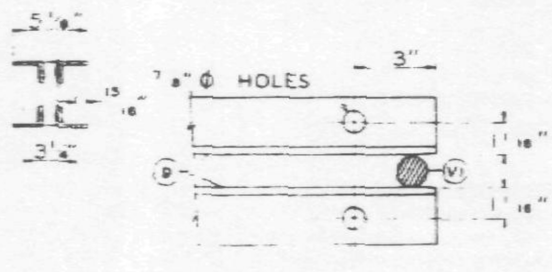
ALL PANEL POINTS RESISTANCE WELDED x.
ARC WELDS INDICATED AT SHADED AREAS
AND AT BOTTOM CHORD WEB SPLICES
ALL WELD DETAILS SHOWN ON SHEETS ST290
AND ST291.

SEE SHEET ST295 FOR V1, V3, & V4 DETAILS.
LETTERS IN HEXAGON INDICATE WELD DETAIL, ie., (A).
1. LETTERS AND NUMBERS IN SQUARES INDICATE RESISTANCE WELD STRENGTH IDENTIFIED IN THE QUALITY CONTROL PROGRAM, ie., R-2.

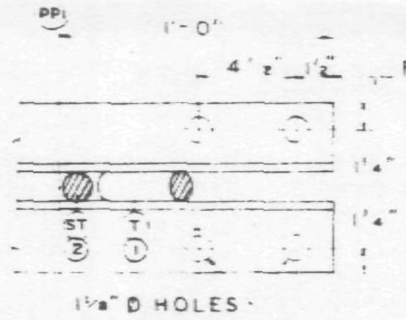
FABRICATION REQUIREMENTS		
	[illegible]	[illegible]
CAMBER AT MIDSPAN 2	[illegible]	[illegible]
DESIGN DEPTH	[illegible]	[illegible]
PANEL "K"	3'-4"	1/16"
OVERALL LENGTH	59'-8"	3/8"
WEB DEPTH	7/8"	± 1/4"



Es END (COLUMN)

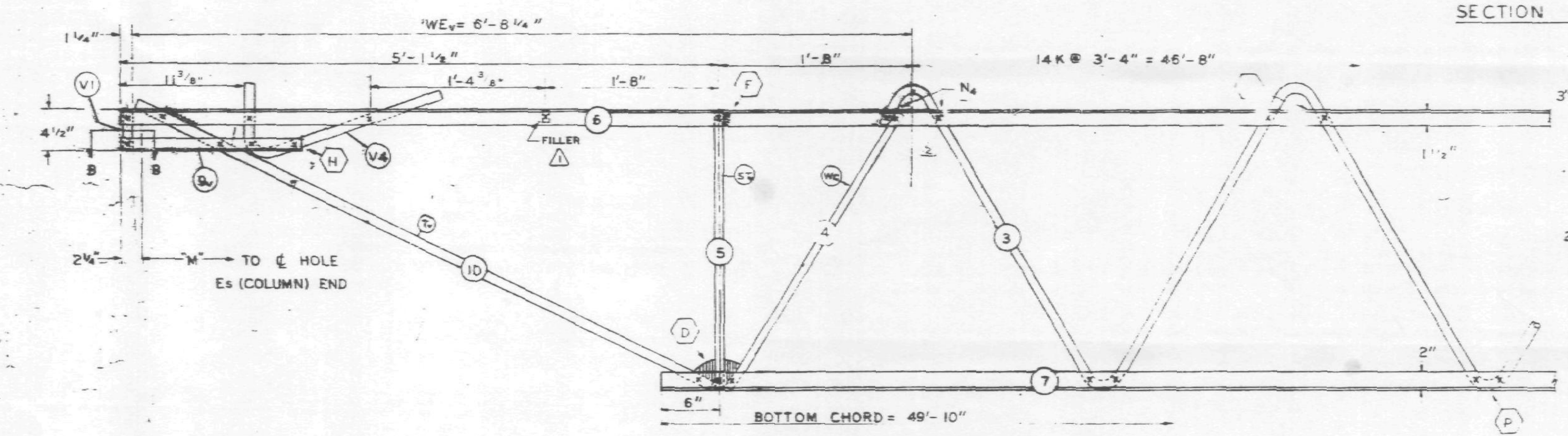


SECTION A-A

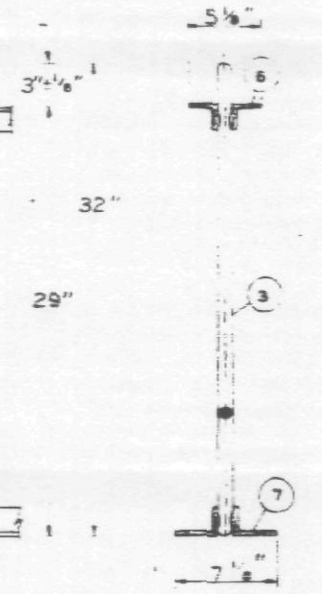


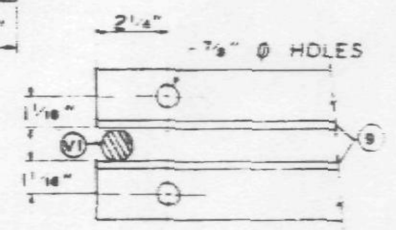
SECTION C-C

DAMPING UNIT CONNECTION
PLATE ATTACHED TO BOTTOM
CHORD [illegible] END IN FIELD.
ASSEMBLY BY CONTRACT WTC 223.00.



EL END (CORE)





SECTION B-B

NO.	DATE	REVISION
2	2-11-69	AS NOTED
1	3-19-[illegible]	FILLER AND WELD DETAIL

2 REF. DRWGS.

7-AB1-2	7-22-[illegible]
7-AB1-52	2-15-[illegible]
7-AB4-50	8-1-[illegible]
7-AB3-2	1-3-[illegible]
7-AB4-50.5	10-20-67
7-AB1-53	7-[illegible]

PAINT
LACLEDE ELECTROCOAT
RED NO. 10001

TRUSS DESIGNATION	TOP CHORD TWO ANGLES				BOTTOM CHORD TWO ANGLES				MAIN WEB "W"					FILLER		"M" ℄ HOLES	TRUSS DATA
	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	CHORD SIZE	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	NO. OF K	NO.	DIA.		
C32T1C-598	6	A242	2"x1½"x.25"	59'-8"	7	A36	3"x2"x.37"	49'-10"	3	A36	1.09	88'-1¼"	14 @ 3'-4" = 46'-8" 2	11	1.09	59'-2¾"	

COLUMN END	Es END	TRUSS DESIGNATION	BEARING ANGLES				WE	DIAGONAL "T" STRUT				VERTICAL "ST" STRUT				END STIFFENER MK. V1			END STIFFENER MK. V3		
			MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA.	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH
		C32T1C-598	9	A242	2"x1½"x.25"	1'-10"	6'-1¼"	1	A242	1.14	6'-5"	2	A36	1.09	2'-4⅞" 2	A242	1.14	4⅜"	A242		9½"

CORE END	EL END	TRUSS DESIGNATION	BEARING ANGLES				WEv	DIAGONAL "Tv" STRUT				VERTICAL "STv" STRUT				END STIFFENER MK. V1			END STIFFENER MK. V2			END STIFFENER MK. V4			WEB "Wc"					WEB "WT"				
			MK.	TYPE STEEL	CHORD SIZE	LENGTH		MK.	TYPE STEEL	DIA.	LENGTH	MK.	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	TYPE STEEL	DIA.	LENGTH	MK.	TYPE STEEL	PCS	DIA.	LENGTH	MK.	TYPE STEEL	PCS	DIA.	LENGTH
		C32T1C-598	9	A242	2"x1½"x.25	1'-6"	6'-8¼"	10	A242	1.14	5'-5½"	5	A242	1.14	2'-4⅞"	A242	1.14	4⅜"	—	—	—	A242	1.14	2'-2½"	4	A242	1	1.14	2'-10" 2	—	—	—	—	—

CHECK DIMENSION FOR TRUSS FAB.

LOCATION OF TRANS TRUSS				
CL-1	CL-2	CL-3	CL-4	Fs
9'-6½"	22'-10½"	36'-2½"	49'-6½"	5'-2½"

STEEL TRUSS DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY
FLOOR TRUSS C32T1C 59'-8" OVERALL
WORLD TRADE CENTER TOWERS A-B

FABRICATION BY: LACLEDE STEEL COMPANY
FABRICATED AT: MADISON, ILLINOIS
DESIGN DRAWING NO. 7-AB1-2 7-AB3-2 PLATE
APPROVED FOR FABRICATION BY [signature] FOR P.O.N.Y.A. DATE 2/28/69
DRAWN BY: [illegible] DATE: FEB. 25, 1968
APPROVED FOR FABRICATION BY ___ FOR FABRICATOR DATE
CHECKED BY: [illegible] DATE: FEB. 24, 1968
IN CHARGE [illegible]
DETAILED BY [illegible]
FABRICATION CONT. NO. W.T.C. 221
SHEET ST[illegible]C

W7CI ÷ 131-1.

#900 — 999

is missing.